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LIVINGSTON'S SEEDS

1902



ANNUAL

THE LIVINGSTON SEED CO.,
COLUMBUS, OHIO.
U.S.A.

LIVINGSTON'S Early Golden Surprise Field Corn

THE LARGE AMOUNT OF CORN PRODUCED ON SUCH SMALL COBS SURPRISES EVERYONE.

A Variety of Merit offered, and named by us, four years ago, and, as anticipated, it has met with general favor. Description of GOLDEN SURPRISE consists of Plain, Unvarnished Statements and Simple Facts.

The illustration is a reproduction from a photograph, and, although greatly reduced in size, will give a very accurate idea of the ears. The cob shown on it is actually encased in an ordinary finger ring, while this feat cannot be performed with all the cobs, many can be found as small. The corn, as a whole, is indicative of its name, and is, indeed, a GENUINE SURPRISE to all who behold it. BEAUTIFUL in its rich golden color and even size from butt to tip of ear. PROFITABLE in its depth of grain and small per cent of waste of cob. CONVENIENT in its short fodder growth and easy break of ear from stalk. CERTAIN in its early maturity, and all points considered, is Best Ninety-Day Corn up to date.

Ten years close observation, careful breeding and selection brought about the desired result.

We have tested this corn for several years in various localities in comparison with well-known sorts and find it fully equal in average bulk to any on the market, but in depth of grain and weight of shelled corn per bushel it has no competitor. Its habit of growth is a short, strong stock, with broad closely set leaves, which makes it a superior fodder corn. A new, distinct, yellow Dent variety of unquestionable merit. AN OCCASIONAL EAR with deep amber-colored grains will be found; it relies on this for its valued earliness, has, never been entirely bred out.

For other Choice Varieties Seed Corn, see page 60.

PRICE. By Mail, postpaid, Sample Ear, 25c.; large packet, 10 pound, 25c.; 5 pounds, 50c. By Express or Freight, 10 pound, 25c.; 5 pounds, 50c. Buyer's expense. 6 Select Ears, 50c.; 4 quarts, 30c.; peck, 50c.; bushel, 90c.; bushel, \$1.75; a 2 1/2 bushel bag for \$4.00; 5 bushels for \$7.75; 10 bushels for \$15.00.



Entirely Distinct

Grows Short,
Strong Stalk

Ripens in 90 Days

Ears Average Size

GOLDEN YELLOW

Deep Grained,
Small Cob

A Great
Feeding Corn

Takes First Prize
Wherever Shown

C. T. Gatman, Vice Pres. Ill. State Board of Agri., 1901. - For the only bushel Ear Golden Surprise Corn bushel of corn plants and tested in the same way, we grew 225 bushels of fine looking corn, was exhibited at the Corn Convention, taking the prize over all others in the shelling contest, totaling \$75 and we sold \$11 worth of seed, making total of \$190 from the half bushel of seed, and we lost several bushels in the cutting.

The shelling contest, in favor of the committee, 35 lbs. of Early Golden Surprise in ear produced 31 1/2 lbs. of shelled corn.

❁ LIVINGSTON'S SEED ANNUAL FOR 1902. ❁



THE SEASON OF 1901 witnessed the highest point yet reached in the number of mail orders received by us, hence it is with added pleasure that we send you our Seed Annual for 1902, believing that this increased mail order business is due very largely to greater confidence in us, quality of our seeds, and methods; and is the result of our determined and constant efforts to please everyone with every order or letter.

In writing the Annual, we have tried to make it easily understood and of least possible trouble in making out orders. You will note the order of arrangement is—first 16 pages, Novelties and Specialties in Seeds and Plants; then Vegetable, Field and Flower Seeds, followed by Flowering Plants, Shrubs and Bulbs, Small Fruits, Garden Tools, etc.

Believing our efforts in the past have been appreciated by seed planters, yet we welcome frank and friendly suggestions and criticism on any part of the Annual that is not meeting with your requirements. By knowing our mistakes we can correct them. We want to make it to suit patrons, and so valuable that it will become a necessity in every home, and, at the same time, have an order-drawing value to us.

Our more than fifty years experience in the seed business gives us an advantage enjoyed by few. "There is no test like the test of time," and we were "born in the business," as it were, and you reap the benefits of our experience by planting True Blue Seeds. Good seeds are the basis of good crops. We mean to produce them so that no others will be quite so good. Old customers swear by them, plant them, and tell others of them.

Our excellent facilities for careful and prompt filling of orders, central location, together with fair dealing and reasonable prices, should secure us a large share of orders from shrewd seed buyers. Our liberally filled packets will have cultural directions, kind of soil, time and depth to plant, printed on all the principal varieties.

The past season, among other improvements, we built five large new plant houses on our True Blue Seed Farms near this city. Wishing you success and awaiting your commands with small or large orders, we remain,

Respectfully yours,
THE LIVINGSTON SEED COMPANY,
STORE—114 North High and 15 and 17 East Long Street,
COLUMBUS, OHIO.

TRUE BLUE SEED FARM, TRIAL GARDENS AND GREENHOUSES TWO MILES OUT.

Our Seed Annual is Free to all Seed Users. Anyone wanting it sends their address, we do the rest. We regard this Annual as our agent (out for orders), hence make no charge for it, not even asking the postage required to mail it.

IMPORTANT SUGGESTIONS. BY OBSERVING THE FOLLOWING RULES AND DIRECTIONS MISTAKES AND MISUNDERSTANDINGS WILL BE AVOIDED.

COLUMBUS is a city of over 140,000 inhabitants, is centrally located geographically, has 17 Railroad Systems, which practically cover the entire country, 5 Express Companies, Telegraph and Telephone wires in all directions, which afford us unequalled facilities for receiving orders and shipping and procuring lowest rates to all parts of the country; besides you have the assurance of getting your order in the quickest possible time.

Within Twenty-four Hours time we can reach two-thirds of the Population of the United States. Always Use the Order Blank and Envelope sent with the Catalogue when possible. Write plainly, keep a copy of your order, and be sure to sign your name, Post-Office, County, and State every time you write to us. Extra Envelopes and Order Blanks are sent on application, also additional Catalogues, if desired.

Send Money. Cash should always accompany the order. Remittance may be made at our risk by any of the following methods: (1st and best)—Post-Office Order; (2d)—Draft on New York; (3d)—Express Co.'s Money Order; (4th)—Cash by Express in amounts not less than \$5.00; (5th)—Registered Letters. When money cannot be sent by either of the first four methods it may be enclosed in a Registered Letter. The rates charged for Post-Office Orders and Express Money Orders are now so low that this is the best way to remit where they can be obtained. We will bear expenses of sending money in either of above ways when order amounts to \$1.00 or over.

No Goods Sent C. O. D. Unless cash to the amount of one-fourth the order accompanies the same.

Seeds by Mail. Sending seeds by mail is a very important branch of our business, and we are prepared to fill orders promptly and correctly the day they are received in nearly all cases.

Our Prices. In comparing our mail prices, especially on heavy seeds, such as Peas, Beans and Corn by the quart and the pint, and other seeds by the pound, you must remember, if you **BREAK IN** another thing—packets of heavy seeds, like Peas, Beans, etc., quoted by some seedsmen—at 5 cents per packet, **postpaid**, contain but a small amount of seed, after allowing for the weight of the packet. **BEAR IN MIND** that we pay the postage, unless otherwise noted. Remember that we put up liberal 10-cent packets of such seeds.

Order Early. It is important to order as soon after you get the Catalogue as convenient, then you will have your seed at hand and for planting when you want them. Remember, if you want seeds in large quantities, they can be sent by freight very much cheaper than by express. Small orders, however, can often be sent by express as cheaply.

Shipping Directions. When goods are to be shipped by freight or otherwise we use our best judgment, give plain shipping directions; otherwise we use our best judgment.

Large Orders. Any Dealer, Market Gardener, Institution or other individual wishing seeds in large quantities, are requested to mail us a list of what they want and we will promptly return it to you with the very lowest prices marked. **A letter of inquiry may save you dollars if you want to buy in quantity.**

Small Orders. If you only want a single packet, do not hesitate to order it. We take as much pains with small orders as we do large ones. Small True Blue Seed orders are sure to grow larger.

Be Free to Write us for any information pertaining to our business, and not found in this Catalogue, on a separate sheet of paper from your order, as your letter goes to the general office and your order to the mail or other department.

We Urge Customers to inform us promptly on the arrival of orders if they are not in good condition, well packed and filled exactly as ordered; also to report after growth, the result, more if anything proves otherwise than expected. We aim to make friends of our customers and mail orders receive the same careful attention that customers do over our counters.

Our Seed Annual. Please show this Seed Annual to your friends, and if you should receive an extra copy be kind enough to hand it to some neighbor interested in seeds, who will be pleased to get it. We will be glad to send a copy free to any of your friends in this or any other country likely to want seeds. In return we will ask you to speak a good word for us to your friends and neighbors. An order this season, no matter how small, secures our Catalogue for next as soon as issued.

Change of Address. If you have changed, or intend to change your address, please let us know, and we will change it on our books, so that you will receive our Seed Annual, without application, at your new Post-Office.

If you have Rural Mail Delivery be sure to give the Name and Number of your Route, if necessary, when ordering.

Guarantee. Complaints made that seeds are not good, should quite as often be attributed to other causes as to the quality of the seeds. There are contingencies continually arising to prevent the very best seeds always giving satisfaction, such as soil, too deep, too shallow, in too wet or too dry soil; insects of all descriptions destroying the plants as soon as, or before, they appear; wet weather, cold weather, frosts, chemical changes in the seeds induced by temperature, etc. Soil preparation for the reception of seed is very important; if not properly done seed with very high germination is bound to perish. For all these reasons it is impossible to guarantee seeds under all circumstances, and, while we exercise the greatest care to have all seeds pure and reliable. We give no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds bulbs or plants we send out, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned. We test our seeds before sending out, and should they fail to grow, if promptly and properly tested by the customer, we will replace the same amount or give value in others. We cannot afford, knowingly, to send out seeds doubtful as to vitality or purity, and we do not get no better stocks of any seedsmen, even though he *deftly professes to warrant seeds*, which frequently covers nothing but the amount paid for the seed. If you do not think so inquire into the extent of the warranty and you will ascertain that your warrants are not our protection. A guarantee from an irresponsible seedsmen is of no value whatever.

Livingston Seed Co.'s

16 Pages of

NOVELTIES and SPECIALTIES.

Novelties are usually the most interesting to customers, no matter how many favorites they may have among the many standard varieties. It is our aim to offer in this department nothing but varieties of real merit and value, and such as are highly endorsed by leading specialists, farmers and growers throughout the country, hence customers are seldom disappointed in any Novelty we offer. One of the uses to which our Trial Grounds, near this city, are put is the thorough testing of all new things as soon as offered.

We are always pleased to receive Samples of New, Rare or Superior Seeds, Potatoes, etc., which our customers may send us for trial.

Extras. As has been our custom for many years, we have again put up thousands of packets of New AND RARE FLOWERS AND VEGETABLE SEEDS to send out for TRIAL, with orders from customers, **FREE OF CHARGE.**

Livingston *Magnus* Tomato

New *Introduced by us 1900*

This distinct new variety, of the color of Beauty and Acme, is one of our very best additions to the Tomato family. It is fully as early, thicker, heavier and more solid than either of the above, making it easily the most handsome sort in cultivation. It is unsurpassed in quality, and in the production of fine, large fruits. While well adapted to main crop planting, it matures so quickly that it takes first rank for early market.

The form is perfect, uniform, large and attractive. Flesh is very firm. It is a robust grower, with short joints, setting its clusters closer together than most varieties, and is therefore a heavy cropper. The fruits are usually very deep from stem to blossom end, some of them being almost globe shaped. It ripens evenly, does not crack about the stem, and the flavor is most desirable.

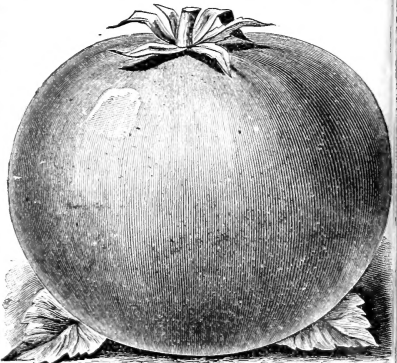
We have tested it for several years for staking up in the open field, as well as for forcing in greenhouses, and we believe it to be entirely unequalled for such purposes, and that there is more money in growing it for early market than any known variety, because it has about four clusters of fruit where others have three. The fruit and clusters are larger and it comes in early while the prices are fancy. Pkt., 10c.; $\frac{1}{2}$ oz., 25c.; oz., 40c.; 2 ozs., 70c.; $\frac{1}{4}$ lb., \$1.25; lb., \$4.00; postpaid.

B. T. Bowman, Stark Co., Ohio, 1901.—"The Honor Bright is a No. 1 late tomato and the New Magnus can't be beat for an early sort."

J. W. Langley, Hinds, Co., Miss., Aug. 21, 1901.—"I have the Magnus still fruiting, set out in April. It is wonderfully productive, and a splendid tomato."

LeRoy N. Brown, Sandusky, Ohio.—"If you have never before been entitled to the highest sort, you certainly are now, for your Magnus Tomato is the first I have ever seen or grown, and I doubt whether a better one will ever be produced."

W. C. Bragaw, Marion Co., Florida.—"Your Magnus Tomato has been pronounced by growers here the finest ever seen. I think it will prove a very valuable shipping variety."



The Magnus Tomato.

A New Red Tomato, "Success."

This variety originated a few years ago in the hands of a grower a short distance from this city, and was first out in 1900. We have observed the fruit on sale in our markets and watched its development from the start. To those familiar with Livingston's Stone it is easily described, because it resembles that variety very much in all points except size, and it might be styled a smaller-sized Stone. We pronounce it a good red, and it should be given a trial by all who favor a tomato of that type. Choice Seed, pkt., 5c.; oz., 20c.; 2 ozs., 35c.; 4 ozs. 65c. lb., \$2.25.

New "Quarter Century" Tomato.

A new dwarf red claimed to have better color, size, productiveness and quality than Livingston's Dwarf Aristocrat. A good red fruit tomato, but not a single claim as above was substantiated in our test the past two years. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.

Enormous Tomato.

First appeared about six years ago in the form of a "sport" plant in a crop of our Livingston's Stone. The size is large to very large; smooth, but is quite apt to crack more or less about the stem end; few seeds, and of fair quality when well grown on good, rich soil. We have given it a fair trial on various soils in different localities the past three seasons. It has large size to recommend it when well grown under favorable conditions, but is probably no larger under ordinary culture than such varieties as Buckeye Stone, Ponderosa, etc. Worthy of trial by those who like something big. True Stock—Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; 4 ozs., 60c.; lb., \$2.25.

Season of 1903 we shall offer a new DWARF PURPLE TOMATO equal in size to the New Dwarf Stone offered on page 104 and fourth cover page.

SIX BRAND NEW TOMATOES

All Hybrids of Livingston's Famous Honor Bright.

Introduced under numbers last season, and \$10.00 prizes offered for names for each variety to customers sending in such names as we would adopt. Below is our selection of names, also the names of persons sending in the winning names.

No. 1—**ARISTOBRIGHT**, sent by Robt M. Woodin, Ann Arbor, Mich.
No. 2—**DANDY DWARF**, sent by Minnie F. Smith, Converse, Ind.
No. 3—**ROYAL COLORS**, sent by Edward C. Green, Medina, Ohio.

No. 4—**GRANDUS**, sent by Robert M. Woodin, Ann Arbor, Mich.
No. 5—**MULTICOLOR**, sent by Owen Brother, Mt. Holly, N. J.
No. 6—**PRINCESS**, sent by W. H. Gifford, Auburn, N. Y.



Two Dwarf Potato Leaf Honor Bright Hybrids Tomatoes. When well grown the plant of this variety is the handsomest tomato plant the world has ever seen and when loaded with its beautiful fruits in various styles of ripening they would be an ornament to any door yard. The fine coloring of the good sized fruits were never seen in tomatoes before Livingston's Honor Bright was introduced. The plants are of an unusual sturdy and stocky nature; the large blistered leaves give it an unique character. The plant, when small, resembles the potato very much.

Royal Colors. Purple Fruit.

The beautiful green and purple fruit combined with the golden foliage of this variety entitles it to its royal name. **Pkt. 10c.**

Dandy Dwarf.

Red Fruit.

The same as above, except in color of ripe fruit. **Pkt. 10c.**

The Multicolor Tomato.

A Potato Leaf with Red Fruit. Similar to the original "Potato Leaf" introduced by us 1883, but with Honor Bright features; exceedingly smooth and productive. **Pkt. 10c.**

The Princess Tomato.

A Potato Leaf Honor Bright with Purple Fruit, same as above otherwise. **Pkt. 10c.**

For description and price of the original Honor Bright Tomato see page 52.

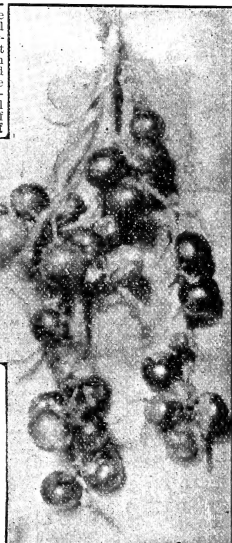
ONE PACKET EACH OF ABOVE SIX NEW HYBRID HONOR BRIGHT FOR ONLY 45c., ANY 3 FOR 25c., ANY 2 FOR 15c.

All who have grown Livingston's Honor Bright know what a marked difference there is in the fruit and foliage of it to all other tomatoes. This valuable and interesting series of new hybrids is the result of successfully crossing Honor Bright on several of our other well known and standard varieties. While they partake in greater or less degree of the peculiarities of the Honor Bright, they all differ from one another in plant or leaf growth, size or color of fruit. Worthy of trial and bound to become standard varieties.

The illustration is a plant of our new Royal Colors taken to show its peculiar foliage, but before it began fruiting much.

Aristobright Tomato.

A new hybrid of Aristocrat and Honor Bright. A wonderfully productive dwarf tomato of medium size; fruit of bright red, very solid and fine flavor. Has all the new and marked qualities of the Honor Bright, and is from two to three weeks earlier, being among the earliest of our best tomatoes. The color of the fruit when ripening is different from any other tomato, save Honor Bright, which changes from green to white, then yellow to red. **Pkt. 10c.; ½ oz., 30c.; oz., 50c.**

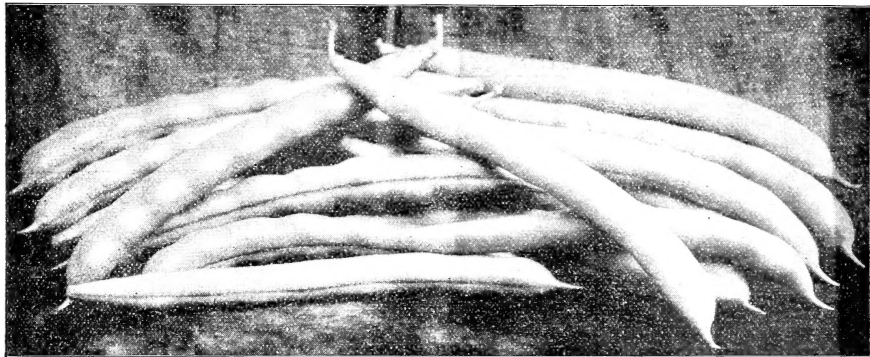


Aristobright Tomato with foliage removed to show its great productiveness.

The Grandus Tomato.

A Purple Fruited Honor Bright. This variety will be accepted as a decided favorite with growers and shippers who prefer purple or rose colored fruits to the scarlet or red. Ever since the introduction of Honor Bright we have had a great demand for a Purple Fruited Honor Bright. This one will fully meet the demand. The fruit is fully equal to the Beauty, being much the same when ripe, in color and size; very solid and quite free from seeds. Vines are very vigorous and productive, and in all respects equals the best tomatoes. In addition, it has the wonderful keeping qualities of the Honor Bright. The fruit colors up without the least signs of green at the stem end. **Pkt. 10c.; ½ oz., 30c.; oz., 50c.**





LIVINGSTON'S NEW PENCIL POD WAX BEAN.

SEE ILLUSTRATION ABOVE.

All of the Wax Beans that are hardy enough to be profitable for market growing are characterized by too much stringiness for high table quality. Our New Yellow Pencil Pod overcomes this disadvantage entirely. Although hardy, it is absolutely stringless, tender and of the most luscious quality. The smooth, perfectly round, straight pencil-shape of the beautiful pods, suggested the name—**Yellow Pencil Pod**. In points of vigor, hardiness and prolificacy, no other sort equals it, and when to this is added its greatly superior table quality, it will be quickly apparent to all that the New Yellow Pencil Pod stands in a class by itself. We offer it as, by all odds, the best Market Gardener's Wax Bean to be found anywhere. We sold this bean last year in all parts of the United States and not a single unfavorable report has been received. Our claim of "absolutely free from strings," combined with hardness and prolificacy, is well established, not only by our own tests, but by the trials of disinterested practical gardeners. **Price**—postpaid—Pkt., 10c.; pint, 25c.; qt., 45c. By Express, not paid—Qt., 25c.; ½ pk., 80c.; Pk., \$1.50; bus., \$6.00.

QUARTER CENTURY BUSH LIMA BEAN.

The originator says of this variety: The pods are fully as large as selected stock Burpee's Bush Lima, and are produced ready for the table several days earlier; fully as productive; pods not so exposed to the sun, hence not so easily injured when in bloom, and, for this reason, is a sure cropper. Is a little more true to bush form. Does not grow so large a bush as Burpee's Bush Lima, but as the pods are more evenly distributed it is fully as productive. Postpaid, pkt., 10c.; pint, 30c.; qt., 50c. By Express, not paid—Qt., 35c.; 2 qts., 60c.; 4 qts., \$1.25; peck, \$2.25.

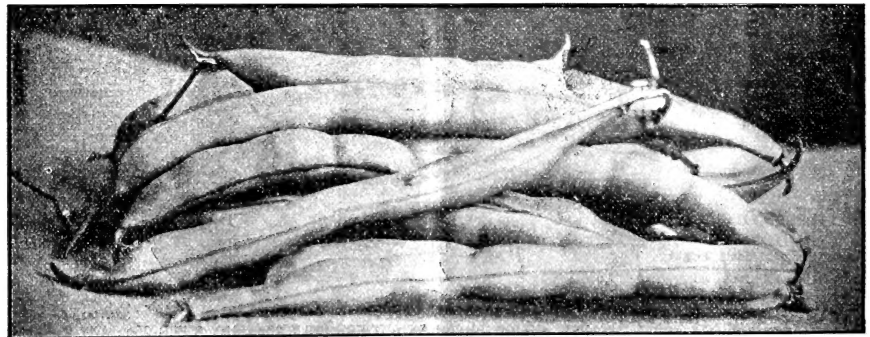
DREER'S NEW WONDER BUSH LIMA BEAN.

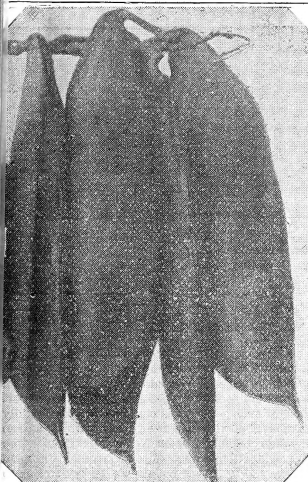
Another year's trial of this excellent strain of Bush Lima Bean has given wonderful satisfaction, both in producing fine, large beans and in holding steadfastly to its dwarf habit, growing absolutely in the bush form, without the least sign of a runner—the ends of branches being filled with buds; there is no chance for runners. In addition to this important feature, heretofore unknown in Bush Limas of the large type, it is also the earliest of all Bush Limas, and a great improvement on the original type of large White Bush Lima, being 10 to 15 days earlier. Seed planted on our experimental grounds on June 20th produced fully-matured beans on August 17th, just seven weeks from date of planting. No other Bush Lima has such a record for earliness. It is the most productive of all Bush Limas. The plants grow dwarf, upright and compact, and are completely covered with large pods, many of which contain four beans, which are fully as large as the largest of the Pole Limas. The beans are of flat shape, and fully equal in flavor to the famous Dreer's Bush Lima, so well and favorably known. Postpaid—Pkt., 10c.; ½ pint, 20c.; pint, 35c.; qt., 60c. By Express, not paid—Qt., 35c.; 2 qts., 60c.; 4 qts., \$1.25; peck, \$2.25.

NEW GIANT STRINGLESS GREEN POD BEAN.

(See illustration below.)

This new Bean is a cross between our strain of Extra Early Extra Round Pod Valentine and an absolutely stringless wax sort. The result is a much larger and handsomer pod than the Valentine, and without any string. We can hardly see how this sort can be improved upon. It is distinct from the variety introduced as "Burpee's stringless," as the Giant has a much longer and handsomer pod. The Giant Stringless is earlier than Valentine and much more prolific. The pods are one-third larger, averaging five inches or better in length, and full and fleshy, and extremely crisp and absolutely stringless. By Mail, postpaid—Pkt., 10c.; pint, 30c.; qt., 50c. By Express, not paid—Qt., 30c.; 4 qts., 80c.; peck, \$1.25.





New Early Dawn Lima Bean.

This new Early Pod Lima is a sport from the Large White Lima and has several valuable characteristics. It is a great improvement in earliness, and will enable the gardener who has it to obtain the high prices which the first Limas in market always bring. It is also astonishingly prolific. It is no uncommon thing at all to find clusters of 6 pods all ready to pull at one time. When shelled green it is nearly as large as ordinary Limas. Price, postpaid—Pkt., 10c.; $\frac{1}{2}$ pt., 20c.; pt., 35c.; qt., 60c. By Express—Qt., 40c.; 2 qts., 75c..

Geo. T. Robinson, Talbot Co., Md., Nov. 30th, writes:—"I wish to speak particularly about your Early Dawn Lima Beans. They are a perfect wonder; they are extremely early, very prolific, easy to shell, a continuous bearer, and a money maker for the market gardener. I shall want quite a large lot of seed from you the coming year, as I expect to plant a large patch of them."

Powell's Prolific Pole Bean.

Prof. Powell, of North Carolina, whose name this wonderful new variety bears, says this of it: "They are an extraordinary Snap Bean, surpassing anything ever seen in our section—bearing profusely, and continuing until frost; they are very tender and palatable. We have grown this variety for several years and find it a most rampant grower, one plant filling a pole with a mass of vines, densely loaded with luscious beans, fully twice as productive as any other variety in existence. Almost a solid mass of pods from the bottom to the top of pole. The handsome green pods average eight or nine beans to the pod, grow very uniform, about six inches long; perfectly stringless, very thick meated, tender, rich and buttery; possess an exquisite flavor when cooked. It continues in bearing so long it might be called "Ever-bearing." PRICE—Postpaid—Pkt., 10c.; $\frac{1}{2}$ pt., 20c.; pt., 35c.; qt., 65c.

Mrs. E. B. Shannon, Henry Co., Ky., writes:—"I have raised Powell's Prolific Pole Beans for several years. They are rightly named. I consider the quality equal to any. Your seeds are the best of any I have tried."

The Royal Corn Bean.

This is a remarkably good Pole Bean, which, we believe, is entirely unknown outside of our Columbus market. It is a green-podded snap bean, whose pods are produced in large clusters or handfuls; shape long, semi-round; stringless; very tender, and produced in wonderful profusion. The dry seed resembles, very much, Dwarf White Kidney or Royal Dwarf. Its strong points with gardeners are:

First—It produces twice as many string beans from the same ground as any bush kind.

Second—Grows in clusters. Takes no time at all to gather a bushel. No stooping.

Third—Beans can be shelled green for summer market, or left to ripen and sold as "dry beans."

Fourth—Specially adapted to growing on corn, thus economizing space on valuable land, or where poles are scarce.

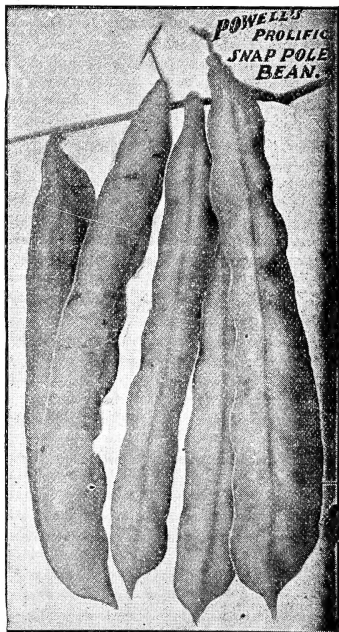
By Mail, postpaid—Pkt., 10c.; $\frac{1}{2}$ pint, 20c.; pint, 35c.; qt., 60c. By Express, not paid—Qt., 40c.; 2 qts., 75c.

Thanksgiving Pumpkin.

The average size is about the same as that of the Cheese Pumpkin, but the flesh is fully twice as thick. On account of this extra thickness the yield in pounds is double that of other kinds. The flesh is orange in color, fine grained, sweet, and has the delicious pumpkin flavor essential to the making of a first-class pumpkin pie. The name—"Thanksgiving"—was suggested by the almost universal custom of having pumpkin pie at the Thanksgiving dinner. By Mail, postpaid—Pkt., 10c.; oz., 15c.; 4 ozs., 50c.

10 Years. Mrs. M. A. A.—"Have used your seed for 10 years. They can't be beat."

15 Years. Mrs. F. R.—"Have grown your seeds for 15 years: they are reliable."



16 Years. J. T. S.—"Have traded at your place for 16 years with satisfaction."

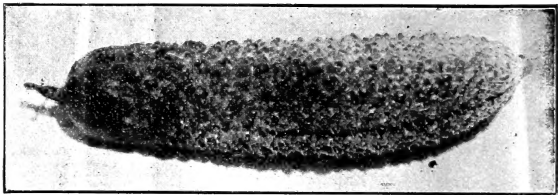
25 Years. Mrs. A. S.—"I have used your seeds for 25 years."



New Cumberland Cucumber.

The New Cumberland is a cross of the Japanese Climbing and the Peerless White Spine. Combining prolificacy and vigor of growth with beauty and uniformity. It was originated by Mr. Coy, the veteran seed grower, who says:

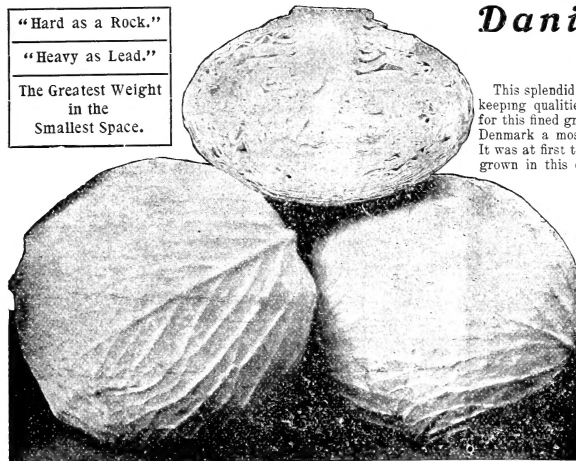
"The variety is of the hardy, white spine type. is a rapid, strong and vigorous grower and very prolific in fruit. The pickles differ from all other hardy sorts in being thickly set with fine spines over the entire surface, except the extreme stem end; and during the whole period of growth, from the time they first set until fully grown, the form is exceptionally straight and symmetrical, thus being as choice as a slicing variety as it is for pickles. The flesh is firm, very crisp and tender at all stages. We offer it in full confidence that it will prove to be **The Best Pickling Cucumber Known.**"



"Hard as a Rock."

"Heavy as Lead."

The Greatest Weight
in the
Smallest Space.



Danish Ball-Head Cabbage.

This splendid variety is remarkable for its solidity and grand keeping qualities. Such has been the demand among customers for this finely grained cabbage as to render its importation from Denmark a most profitable enterprise for the vegetable dealer. It was at first thought such solid heads could not be successfully grown in this country, but this has been found entirely untrue when GENUINE DANISH SEED IS USED. The heads, although not quite so large as PREMIUM FLAT DUTCH, are equally as heavy and superb in quality. This extra weight in limited space will be appreciated by those who grow for distant markets, ship in car-load lots, and sell by weight. It is a most popular and profitable variety with the American grower. Unfortunately, this variety has been imported and sold under a number of German names, as "Hollander," "German Export," "Solid Emperor," "Dutch Winter," etc. The correct name is "Danish Ball-Head," and to the Dane belongs the credit of sending it out.

PRICE — Genuine Danish Seed — Pkt., 10c.; oz., 25c.; 2 ozs., 40c.; $\frac{1}{2}$ lb., 75c.; lb., \$2.50.

R. B. Parrett:—"Your Danish Ball Head Cabbage is the best keeping cabbage I ever grew."

TWENTY-SIX YEARS A CUSTOMER.

W. B. Fuller, Iroquois Co., Ill.:—"I have used your seeds since 1875 and can say I have always been well satisfied."

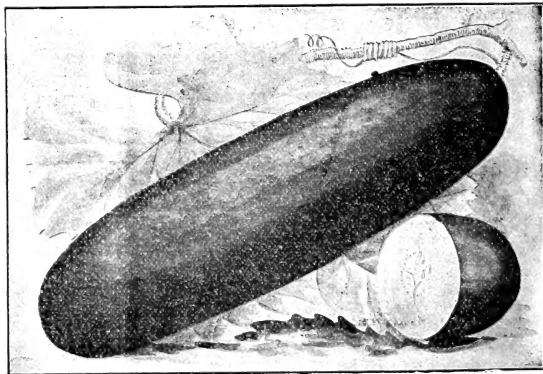
S. E. Carpenter, Madison Co., Ind.:—"Have used your seeds 10 years in Indiana; my father, a market gardener at Enterprise, O., used your seeds 10 years before I came here."

Livingston's Emerald Cucumber.

(INTRODUCED BY US IN 1897.) In 1889 we began carefully working up this variety, and feel ample repaid for the labor expended, having succeeded in producing what we started out for—a dark green cucumber that would hold its color. It is strictly an evergreen, retaining its color until quite ripe. On sight, its deep green and splendid skin attracts the attention of everyone. The fruit sets early, and its vigorous vines abound in long, straight, handsome fruits of the most desirable qualities. As a slicer the flesh is peculiarly crisp and tender, and the flavor most pleasing. The young fruit being deep green, straight and slender, makes an excellent pickle; when ripe none exceed it for making sweet pickles.

For Forcing.—For those who grow under glass, or for long-distance shipping, it will prove a boon, on account of holding its deep green color so much longer than any other sort. When grown under glass it is not excelled for beauty in color and form, even by the best English Frame varieties. It is almost entirely free from "warts and spikes," so much that it may be called spineless. As an all-purpose table or market variety it cannot be surpassed. PRICE—Large Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., 80c.

C. H. Hammel, Gloucester Co., N. Y.:—"Emerald cucumber and Honor Bright tomato cannot be beat."



W. P. French, N. C.:—"The Emerald cucumber is the finest I ever saw, and I do not believe any one ever saw any finer."

“Tip Top” Melon

The Best of All.
Every One a Good One.

TIP TOP IN QUALITY.
IN PRODUCTIVENESS.
IN APPEARANCE.

Introduced by us in 1892.

This grand melon has “held its own” with all new comers for the past ten years or more, and no other melon of which we have any knowledge compares with it in uniform good eating qualities and should be planted by all classes of melon growers, large or small. **IT ALWAYS PLEASES.** The testimony of all who use **TIP TOP** is that every melon produced, whether big or little, early or late, is a good one; sweet, juicy, finest flavor, firm (but not hard) fleshed, and eatable to the outside coating. Its appearance on the market is very attractive—sells on sight. Gardeners tell us that their customers soon learn to pick them out, and will have no other kind. The fruit is of large size, nearly round, evenly ribbed and moderately netted. It is also, perhaps, the most productive melon known. One customer reports 72 large, magnificent melons from two hills. By care and close attention for the past ten years we have greatly improved and increased the attractive appearance of this variety by selecting for seed stock the best specimens, and especially those showing the greatest amount of netting. Price, Selected Seed from Typical “Tip Tops”—Pkt., 10c.; oz., 15c.; 2 ozs., 25c.; 4 ozs., 35c.; $\frac{1}{2}$ lb., 50c.; lb., 90c., by mail, postpaid.

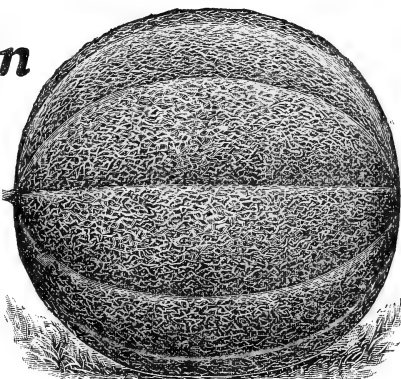
Henry Scheb, Alexandria Co., Va.—“Send me the same stock of Tip Top Muskmelon you have for the past five years. They are the finest melons that go to the Washington market.”

A. Babcock, Onondaga Co., N. Y.—“The Tip Top Melon is so far the most satisfactory of the fifteen sorts tried here. We grow about five thousand hills each season.”

F. L. Pool, Wyandot Co., Ohio.—“Tip Top is the best that grows, and yours are the purest, as the past has proven.”

Samuel Shofar, Miami Co., Ohio.—“The Tip Top Muskmelon seed I received from you two years ago, were, honestly, the best melons for market or home use we ever raised.”

D. Spiers, LaSalle Co., Ill.—“I grow Muskmelons to sell, and the Tip Top is the best one I have ever seen.”



Mrs. W. W. M., Bourbon Co., Ky.—“The world owes you a debt for the Tip Top Melon.”

I. N. Jetton, Crocket Co., Tenn.—“I have been raising Cantaloupes for twenty years and have never found anything to beat your Tip Top. Your seeds are always as represented or better.”

Mrs. J. S. Billingsly, Paulding Co., Ohio.—“Our Tip Top Melons were fine last year; and other things from your seed accordingly.”

S. W. Putnam, Fairfax Co., Va., 1901.—“The Tip Top Cantaloupe seed I bought of you last season was not only all you claimed for them, but the finest flavored and largest I ever grew.”

Henry Green, Pettis Co., Mo., 1901.—“I don’t know of anything better of its kind than your Nabob Watermelon. The Tip Top is the best Muskmelon I ever saw, and I am 61 years old.”

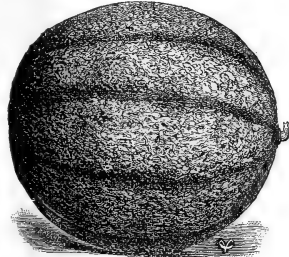
George C. Short, Ohio.—“The Tip Top stood the test as to quality better than any of the other kinds this excessively wet season.”

Muskmelon, The Osage Gem.

This new variety has the desirable oval shape (see cut) for a shipping melon. Its beautiful netting will assist in selling it on sight, but when the quality of its rich salmon-colored flesh is known it will be called for on account of its table merits. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; 2 ozs., 40c.; $\frac{1}{2}$ lb., 65c.; lb., \$2.00.

Muskmelon, The Strawberry.

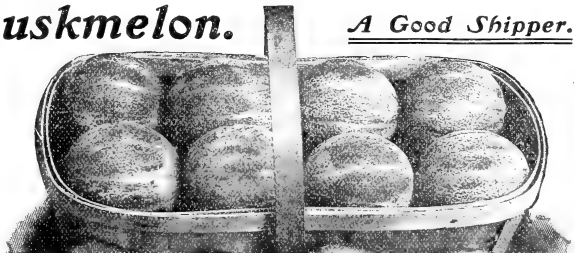
Mr. Beck, a specialist in the production of new melons, describes it as follows: “Its first appearance caused a great furore in our market. People were loud in its praise, claiming it surpassed all others in point of excellence, with a flavor like that of a strawberry, hence the name. A desirable market size, 6 to 8 pounds. Its outside appearance compares favorably with the green netting of old, turning to a yellowish hue when ripe. Its smooth deep flesh is of an attractive red color. Pkt., 5c.; oz., 15c.; 4 ozs., 50c.”



Muskmelon, The Osage Gem.

Paul Rose Muskmelon.

A decidedly meritorious variety that is bound to please all classes of melon producers. In the Paul Rose we are offering one of the best Muskmelons introduced for years. It is a successful cross of the Osage with the Netted Gem, and combines the sweetness of the former with the fine netting of the Gem. It is a large sized Netted Gem, but with deep orange flesh. A great producer of extra fine quality melons, and the illustration here shown speaks for itself. As early as the Gems and equally as good a shipper. Our stock seed is saved from choice selected melons by Mr. Paul Rose, the originator, who is a very extensive melon grower of Northern Michigan, where the climate seems peculiarly conducive to the high quality of the melons. Price of True Stock Paul Rose—Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., 90c., postpaid.



A Good Shipper.

C. M. G., Walcottville, Ind.—“Paul Rose Muskmelons are O. K. I get \$1.00 per bushel as fast as they are ripe. Have some that will yield 800 bushels per acre.”

Improved Yellow Globe Onion.

(Underwood Strain.)

We have known and watched the development of this onion for several years, and the many claims we made for it when introducing it four years ago, have been fully verified. No onion grower can afford to lose this opportunity of improving his onion crop. The seed we offer we grew from selected bulbs. It is unsurpassed for purity and shows a high percent of germination.

DESCRIPTION.—It matures early and cures down with very small necks, and has never produced scallions or "stiff necks." The Skin is perfect, bright, dark and smooth. The Flesh is very fine grained, firm and solid, insuring extra heavy weight. It is sweet and juicy, grows uniform in size and shape, large (but not overgrown), just the right size and that beautiful dark buff color so much sought after by marketmen and large onion shippers.

When grown in comparison with other good strains it has outyielded them from one-fourth to one-third of a crop.

"Have raised onions for nearly 15 years; put four years' worth of your seed, getting one-third more from the very first year; fine in shape and quality."—A. M.

TRUE SEED of Our Own Growth from Hand-Picked Bulbs—Pkt., 10c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{4}$ lb., 40c.; $\frac{1}{2}$ lb., 75c.; 1 lb., \$1.45, postpaid. Bp Express—5 lbs. for \$5.50. **SPECIAL PRICES FOR LARGER QUANTITIES ON APPLICATION.**

TESTIMONY FROM A NUMBER OF GROWERS.

"Have grown onions 15 years; used seed from different sources; none we your seed, although up in price it pays, as I get one-fourth more onions, and get higher price."—M. L. B.

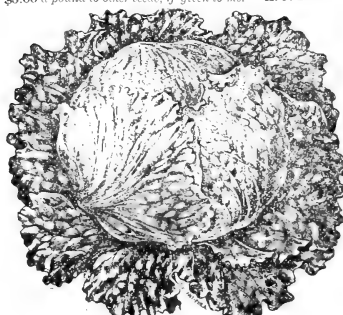
"I have raised 300 bushels of onions on one-fourth acre of land; finer onions I never saw, and double the quantity I ever grew on the same ground with other seed."—A. L. M.

"Find your seed A No. 1; grow better crops for me than any other; prefer at \$5.00 a pound to other seeds, if given to me."—A. J. D.

"I have your seed for three years with entire satisfaction; bought several cars of onions last fall, and found those grown from your seed superior to any other."—G. A. M.

"Used your seed two years and grew 600 bushels each year; last season used other seed and got but 400 bushels from same ground. Have known your onions to remain solid for one year. They are the best shaped and give everybody satisfaction."—C. C.

"From 1 lb. I got 225 bushels very fine bulbs, nice enough for seed."—E. M.



Wonderful Lettuce.

qualities, but grows double the size. We advise our customers to plant this lettuce as market gardeners tell us that they realize more money from this variety than all others. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{4}$ lb., 50c.; 1 lb., \$1.50.

An Ideal Onion.

Finest Quality.

Big Producers.

Good Keepers.

The illustration of Yellow Globe Onion is a reproduction from a photograph.



The True Wonderful Lettuce

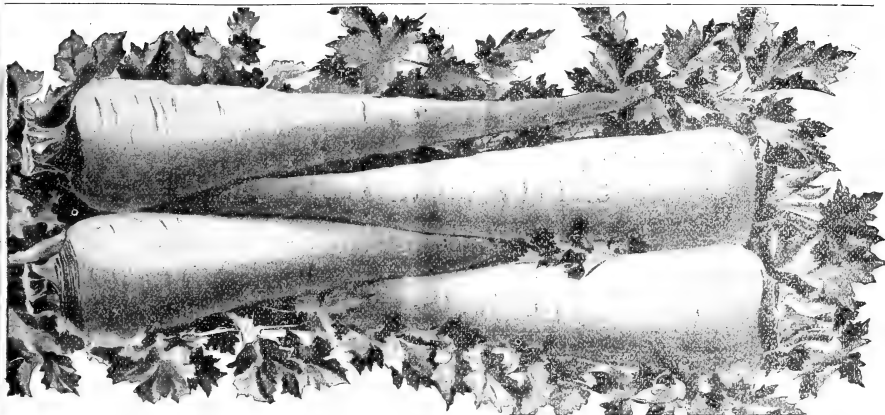
The Largest Heading Lettuce we have ever seen. It has been grown to weigh six not six to the head, and frequently weighs two or three pounds. The heart is solid, of light green color, very tender and crisp, and without the slightest trace of bitterness found in most lettuces. As an example of its "standing" properties, perfect heads were cut from the same bed for upwards of seven weeks. Two FOUNDBERS, trimmed close, ready for table use, are not uncommon on our market. At the famous CASSY KITCHEN RESTAURANT in this city it is pronounced par excellence by their numerous patrons. For EXHIBITION PURPOSES and for an OUTDOOR, ALL-SEASONS VARIETY it stands unrivaled.

Make Sure of the True Wonderful.—We understand some have been sending out the New York Lettuce under the name "Wonderful," but we pronounce it smaller and otherwise inferior. Our customers say so, and they ought to know, after years of trial. A few extracts from what they say: "I can only get 45 heads in a large sugar barrel." "Looks like early summer cabbage heads." "Blanches crisp and is delicious." "Would eat 'Wonderful' daily if I could get it." "Ahead of all for a summer sort." Our stock is from HEADQUARTERS and there is none better. Nothing like "TRUE BLUE" SEED if you want results. Pkt. 5c.; $\frac{1}{2}$ oz. 10c.; oz. 15c.; 4 ozs. 50c.; 1 lb. \$1.25.

Lettuce, Mammoth Salamander.

For many years the Salamander Lettuce, owing to its wonderful quality of withstanding the heat and drought, has been one of the most popular sorts. The New Mammoth Salamander is a great improvement over the old variety, possessing all the desired from this lettuce as market gardeners tell us that they realize more money

LIVINGSTON'S NEW BON-OTON LETTUCE—SEE PAGE 104 AND 4th COVER PAGE.



Zimpfer Parsnip.

Many years ago we secured the original stock of this variety from Mr. Charles Zimpfer, then a market gardener near this city, who had grown it for years for his own use only, always selecting for growing his seed the most perfect roots in all points for his purpose until a perfect strain was secured. We are now growing it on our own farm where we

are able to keep it up to Mr. Zimpfer's high ideal. It is a splendid variety for market, especially where the roots are sold in bunches, being of much more desirable shape than any of the Hollow Crown or Cup varieties. It is sweet, smooth, very white, and cannot fail to please any marketer. PRICE—Postpaid—Pkt., 10c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.20.

Mr. B. Barker, Allegheny Co., Pa.—“Your Zimpfer Parsnips were very successful last season, and people were crazy for them. I have been gardening for thirty-five years and never had parsnips do better.”

MAMMOTH
WHALE
SQUASH

Mammoth Whale Squash.

A new French Squash which often grow three feet long, and sometimes weigh 100 pounds or over. The illustration shows quite well its odd shape, the color is dead blue or slate. It is very prolific; the vines are robust; the flesh solid and of a beautiful orange color; quality good, also keeps well.

PRICE—Pkt., 10c.; 2 pkts., 15c.; oz., 25c.; 4 ozs., 75c.



New Exquisite Parsley.

Best and handsomest Parsley that has ever come under our notice. It is dwarf in growth, beautifully and closely curled; its attractive, dark green color is all that could be desired. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Ornamental Pomegranate.

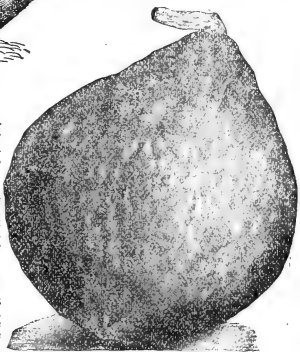
“Queen Ann's Pocket Melon.”—Grows on a pretty vine; its handsome fruit is a lemon-yellow, striped with dark orange, varying from size of a small peach to that of an orange. Very fragrant, sweetly perfuming a room with their pleasant odor for days. Very prolific and easily grown. Packet, 5c.; 6 packets for 25c.

New Golden Bronze Squash.

This new Squash ought to be a good one, coming, as it does, from the introducer of the famous Hubbard. A cross of the Bay State and Boston Marrow. In form the same, also has that peculiar wrinkled appearance of the skin of the Boston Marrow. Averages 8 to 10 pounds; color, dark grayish green; flesh bright golden yellow, fine grained, very sweet, delicious flavor. Early in maturing, good keeper, very uniform size and appearance. For table use and pies it has no superior. Specimens grown in 1897 were kept until June 1898. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.00.



Ornamental Pomegranate.



New Golden Bronze Squash.

Livingston's Prolific Giant Podded Sugar Pea.

(INTRODUCED BY US IN 1897.) This grand new introduction will be of especial interest to all lovers of Edible Podded Peas. Excels all others in size, productiveness and quality. To even those who know how delicious and wholesome are Sugar Peas cooked pods and all, a dish of these giant pods, sweet, sugary and melting, will be a delightful surprise. The vines average about 36 inches in height, remain a long time in bearing, and when grown with brush or trellis are strong and rank. The pods are gigantic in size, broad, sweet and tender; extremely fleshy, and equal to the best snap beans for cooking pods and all. Dry peas, when ripe, are extra large and wrinkled. It is a decided improvement over the "Melting Sugar" Pea, being equally as early, much more productive and superior in quality. PRICE—Postpaid—Pkt., 10c.; pint, 35c.; quart, 60c. By Express, (not paid)—Quart, 40c.; 2 quarts, 75c.; 4 quarts, \$1.25; peck, \$2.25; bus., \$8.00.

In the Michigan Experiment Station Report We find the following: "Giant Podded Prolific Sugar Peas sent out by Livingston is an exceedingly strong grower and very productive. The pods are long, broad, irregular, in shape, and filled with peas of high quality. The blossoms are of a pink color and make it quite attractive. It promises to be of value as a late variety."

Prosperity, or Gradus Pea

Is a long step in the pea world toward prosperity as it combines earliness with large size in a green wrinkled pea. This is what the Market Gardener wants. "They fill the bushel basket." In earliness they follow closely after the first earlies. In height they are 2½ to 3 feet. The vine is robust and the foliage very vigorous, bearing their handsome, large pods profusely over the vine. The pods are nearly round, long and straight, well filled with luscious sweet peas of the finest quality. In our Trial Grounds the past season we marked these as an exceedingly profitable variety for marketmen to grow. PRICE—Postpaid—Pkt., 10c.; pint, 35c.; quart, 65c. By Express, (not paid)—Quart, 50c.; 2 quarts, 90c.; 4 quarts, \$2.00; peck, \$3.50.

New Icicle Radish.

The roots of this new variety grows about 4 inches long, are slightly stump rooted and of transparent whiteness with short leaves, and makes its growth very quickly. It is of most excellent flavor and equally desirable for home use and market gardeners. Pkt., 5c.; oz., 10c.; ½ lb., 35c.; lb., \$1.25.

A Large Cuyahoga County Grower, writes: "Bought 45 lbs. of your Radish seed last spring from which I sold 5,352 doz. bunches (60 to a bunch), or 321,120 radishes, netting \$435.25. "True Blue" seed are good enough for me."

New Cincinnati Market Radish.

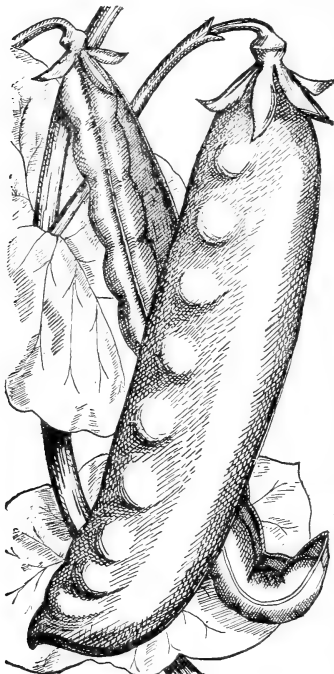
THE BEST EARLY LONG RADISH TO DATE.

This superb radish was produced in the vicinity of Cincinnati, Ohio, by the "Glass Gardeners" there, and has been used by them for more than 30 years. We introduced this Radish to our trade in the spring of 1895, and it at once became so deservedly popular that we have had to grow it ever since by the thousands of pounds to supply the demand. It is seldom that even a good thing leaps with one bound into general favor, as has been the case with Cincinnati Market. The tops are so very small that the Radishes may stand touching each other in the rows. One grower says that he never thinks this variety like he would other kinds, which quickly "run to seed" if left standing too thickly. They grow straight and smooth, 6 to 7 inches in length. Their attractive scarlet covered skin is very thin, the flesh crisp, brittle and of delightfully pungent flavor. The finest long red in existence for forcing, and outsells all others in any market to which it goes. Being long standing it is also an extra fine sort for the home garden. OUR OWN SEED AND STRICTLY RELIABLE. Postpaid—Pkt., 5c.; oz., 10c.; ½ lb., 25c.; lb., 80c.; 3 lbs., \$2.00.

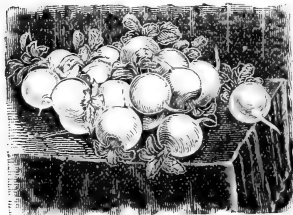
Sutton Bros., Commission House.—"Have known the Cincinnati Market Radish for over 30 years. No variety holds its freshness longer, meets with render sale or gives better satisfaction. We sold it for years in Cincinnati, before coming to Columbus 19 years ago."

The Snowball Radish.

One of the quickest growing, besides one of the prettiest ever put on a gardener's bench. White as snow and smooth as glass. Has only a few short leaves. Pkt., 5c.; oz., 10c.; ½ lb., 25c.; lb., 80c.



Giant Podded Sugar Pea.



The Snowball Radish.



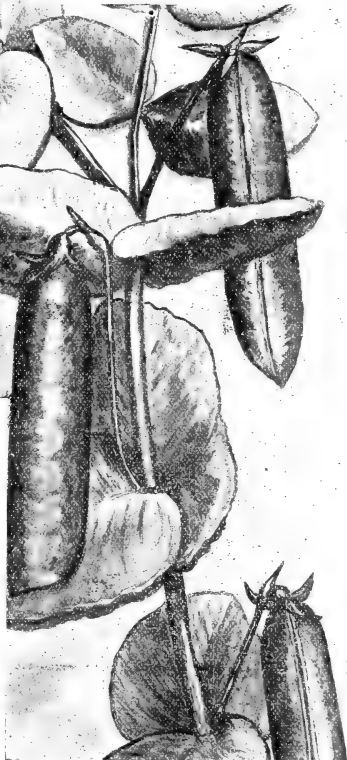
Prolific[®]

Early[®] Market Pea

A Grand New Extra Early Pea

First offered by us last season.

*Longer Podded, More Prolific than [®][®]
Livingston's First in Market Pea, and
only Four or Five Days Later. [®] [®] [®]*



*The Longest Podded of all Extra Earlys.
A Fit Companion and Close Second to
Livingston's First in Market. [®] [®] [®]*

PROLIFIC EARLY MARKET

A legion of Extra Earlys have been sent out within the last quarter century under various names, claims, etc., but not one of them compares with **PROLIFIC EARLY MARKET** in length of pod, number of peas in a pod, and number of pods to a vine. For eleven years past we have carefully watched, from year to year, the development of this excellent pea from a single vine, with a view of introducing it to our trade just as soon as sufficient stock could be secured. We now have that pleasure. This Pea has been developed in the hands of one of our best growers, the well-known Pea expert, Mr. Keeney. Read his "fair and square" DESCRIPTION—About eleven years ago I selected a very productive plant of an Extra Early Pea, having an exceptionally long pod. From this single pod of peas we produced what is now called **Prolific Early Market**. Our tests of this pea, for earliness, in 1894, 1896 and 1897, shows it to blossom two days later than our earliest and best strain of Extra Earlys, and in the development of pods suitable for picking about three or four days behind; but the remarkable productiveness and length of pods have followed this strain through all these years, many of the plants this season (1900) containing 40 to 50 fully developed peas as a result of one seed sown. I believe it will yield 30 to 50 per cent more than any other strain of Extra Earlys. The past season's average yield was fully double that of Extra Early in field culture; on this account it will make a **very desirable Pea for the Southern Shipper.**

A very valuable pea both for the home and market garden, and the canner and shipper will find it **just the Pea** for their use. Our crop of this Pea was almost an entire failure the past season on account of dry weather.

Pkt., 10c.; 3 pkts., 25c.; pint, 40c.; qt., 75c.; 2 qts., \$1.25, postpaid.

NEW FOR 1902.

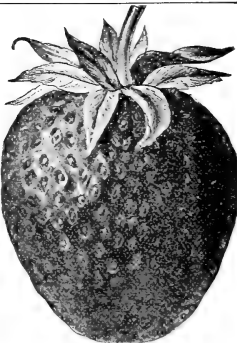
Nichol's Granville Strawberry.

Very Sweet. A Good Canner. Strong Plant Grower. Extra Large and Fine.

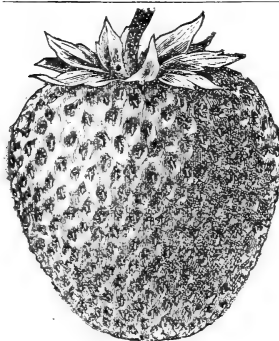
We are pleased to be numbered among the very few, together with Mr. Nichol, who will be able to offer this fine new Strawberry this season.

A distinct variety selected from 50 other seedlings fruited at same time. Of large size, perfect shape, very dark and glossy (as though varnished), when fully ripe. Flesh firm, rich dark red and of delicious flavor, either when fresh or canned. Medium to late in time of bearing, and holds up in size of fruit throughout the season. The fruit remains firm for some time after being fully ripe. It has a perfect blossom, being a splendid pollinizer for others. The fruit is produced in clusters, on long, strong stems, well up from the soil. Grows an abundance of vigorous and healthy plants, many of which are double crowned.

Price—Doz., \$1.50, postpaid. By Express, not paid—25 for \$2.75; 50 for \$4.00; 100 for \$8.00.



Nichol's Granville.



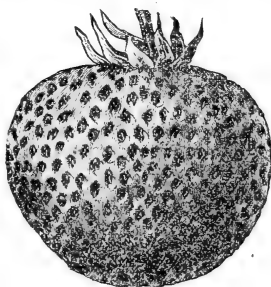
Uncle Jim.

The Uncle Jim Strawberry.

In introducing the Uncle Jim Strawberry, the past season, the half was not told of this grand variety. It belongs in the front ranks. Berry growers who have grown it in various fruit sections are enthusiastic in its praise. It was a chance seedling found in an old fruiting patch by Mr. J. F. Dorman, a prominent Michigan fruit grower, and familiarly known as "Uncle Jim," hence its name.

The Uncle Jim is free from rust, and a strong grower; season late—a little earlier than the Gandy, and will stand up and pick four or five weeks. It has a perfect blossom, and there are no buttons or nubbins—every one is a perfect berry to the last, and they are exceedingly productive. They are a No. 1 shipper, large size, fine color, and of excellent flavor. They ripen evenly; there is no green end or hard core; in fact, every one who has seen them say they are perfect in every respect.

Price—Each, 10c.; dozen, 75c.; 3 dozen for \$1.50; 100 for \$3.00, postpaid. By Express, not paid—100 for \$2.75; 1000 for \$20.00.



Marie.

Price—Each, 10c.; dozen, 35c.; 100 for \$1.25, postpaid. By Express, not paid—100 for \$1.00; 1000 for \$8.00.

Prof. W. J. Green, Ohio Experiment Station. "The Granville is new and of excellent quality. I have not seen a better berry for table or canning."

M. M. Miesse, Fairfield Co., Ohio.—"We never grew a sweeter berry nor a better canner than the Granville. We had some for dinner that had been canned for three years and they were as good as if fresh picked. They are 'cracker jacks.'"

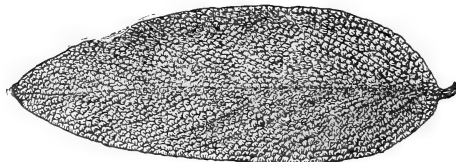
MARIE & STRAWBERRY.

"Blood will tell." Cross between Crescent and Cumberland. Round as a ball. Described by the originator as follows:

Planted for field culture it has failed to show any weak points in either fruit or plant. The plants make plenty of runners and show no sign of disease. The blossom is imperfect; season same as Bubach, equally as large, and hold up in size to the last. Very productive. Very attractive in appearance when picked and ready for market; are round as a ball, dark crimson in color; flesh dark and quality first-class. You can hold a fancy trade with Marie, and at fancy prices.

FOR OTHER STRAWBERRIES AND SMALL FRUIT PLANTS, SEE PAGES 97 AND 98

HOLT'S MAMMOTH SAGE.



This large leaved variety has been tested for years, and is far superior to the old variety. Yields more leaves to the plant than a dozen of the common Sage. Plants—strong, grow a foot high and spread 2 to 3 feet the first season. Leaves borne well up from the ground, are clean, strong in flavor, and of supreme quality. Perfectly hardy, even in extreme Northern States. Never seeds.

Plants, 10c.; 3 for 25c.; 7 for 50c.; 15 for \$1.00, postpaid. We grow a large crop and will make prices on application for larger lots.

A NEW PEPPER, CHINESE GIANT.

This new Pepper is, without doubt, a great improvement upon the famous Ruby King, although to many that will seem impossible. Our crop last season was a revelation to pepper growers. The fruit averages about 4 inches long by 3 1/2 inches broad and is of the deepest shade of scarlet. The flesh is thick and entirely free from fiery flavor. The plant stands erect, strong and bushy. It has the peculiar habit of setting 3 or 4 fruits early near the base and while these ripen a second crop is produced higher up.

Here is a quotation from a letter received from a customer (a market gardener of many years experience) who paid \$1.00 for 150 seeds: "When once introduced the Chinese Giant will be the only mango grown."

Price—Packet, 10c.; 3 packets for 25c.

Wisconsin Golden Salsify

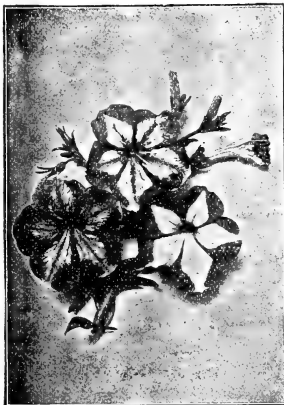
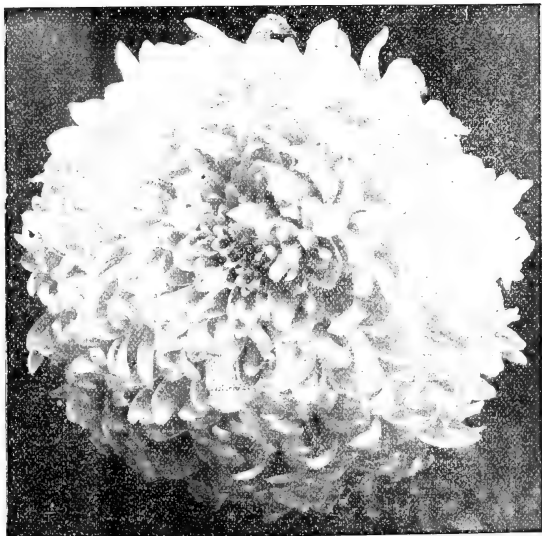
When prepared for the table this new variety has a quality, which, for delicious flavor, extreme richness and tenderness, has been unapproached by either of the old varieties. Its habit of growth is unlike other varieties; the leaves are dark green in color, finely crimped and curled; roots have a slightly yellowish tinge, and are larger, the introducer claims, than any other sort. Pkt. 10c.; oz. 25c.; 1 lb. 75c.; 10 lb. \$2.50.



Timothy Eaton Chrysanthemum

*The Sensational New Mum.
A Prize Winner. ***
A Mammoth White Japanese.*

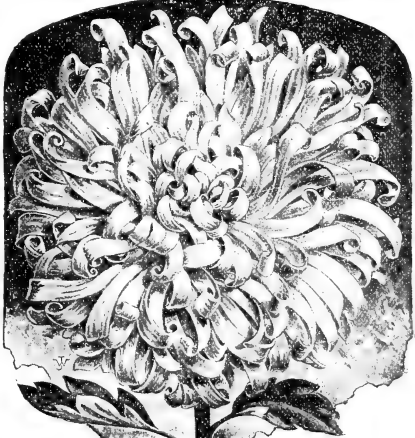
The largest Japanese incurved White Chrysanthemum to date, often 6 to 8 inches in diameter. Flowers very compact, and of good form. See illustration made from photograph. Color ivory white. A splendid shipper and keeper. Plant grows to height of 3 to 4 feet, has extra strong stiff stems, splendid foliage and is a fine healthy grower. Can be planted as close as 6x9 ins. on greenhouse bench and do well. Blooms Nov. 15th, and later. Timothy Eaton took all first prizes for which it was entered last fall. At Chicago, C. S. A Silver Cup for any 10 best blooms. At New York, American Institute, \$25 premium, and Silver Cup, New York Horticultural Society. At Philadelphia, two first premiums, two Silver Medals and the National Society's Certificate, with a score of 92 points. **Price of Plants, our own growing, each, 20c.; 3 for 50c.**



New Star Petunias.

Thompson's New Branching Aster.

A decided good Aster and a most charming variety for cut-flowers. Following is Mr. Thompson's description: "This lovely new Aster is entirely distinct in habit of growth and flowers; they grow about 2 feet high, and same in diameter, forming an open symmetrical plant, with small dark foliage, and bearing from 40 to 60 lovely flowers on slender, graceful stems 15 to 24 inches long. Flowers white, with narrow stripe of rose-pink in center of the long narrow petals; the center is a whorl of petals, and the whole flower has a beautiful ostrich plume effect. Commence blooming about the same time as late Asters; buds open gradually and flowers remain perfect a long time—thus prolonging their time of blooming after all other Asters are gone. Unsurpassed as a cut flower. Their long slender stems and handsome foliage give them a graceful beauty that words cannot describe. To grow them at their best they should be planted in rich soil, about 2 feet apart. Hoe often and give plenty of water in dry weather. A mulching of lawn cuttings or leaves is also very beneficial." **Pkt., 10c.; 3 for 25c.**



Thompson's New Branching Aster.

Howard's New Star Petunias.

Entirely distinct. Never offered before. Produces bloom of exquisite shades and markings. The texture and colors rival those of the finest Fancies. The flower for the million. Easily grown. Cultural directions on each bag. As described by the originator, the ground color of bloom is a dark crimson maroon, through which are shown violet veinings of rich velvety texture. From the center of each bloom starts the points of a five rayed star, which broadens half way up, then narrows to a point at the margin of the petal. The star is a light, bluish pink, some almost white, which deepens in color as it reaches the margin and finally blends with the ground color. 80 percent of the bloom has the star shaped marking; and others with veined and feathery markings on light or dark ground are surprising beautiful. Very prolific bloomers, single plants often have one hundred or more fully expanded blooms at one time. Height 18 to 24 inches. **Packet, 25c.; 5 pkts., \$1.00. Half size packets, 15c.; 2 for 25c.**

New Begonia, *Glorie de Lorraine.*

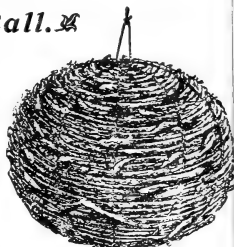
This is a grand new variety, exceeding in showyness any other flowering Begonia. A novelty of the most sterling merit and we can recommend it in the highest terms. It makes a graceful plant of about one foot high, loaded with rose colored flowers of great beauty, borne on large drooping panicles. The foliage is a light pea green, making a pleasing contrast with the bloom. The most popular of all varieties and we sold specimen plants during our holiday trade at \$1.50 to \$6.00, each. **Strong Plants, each, 25c.; doz., \$2.50, postpaid.**



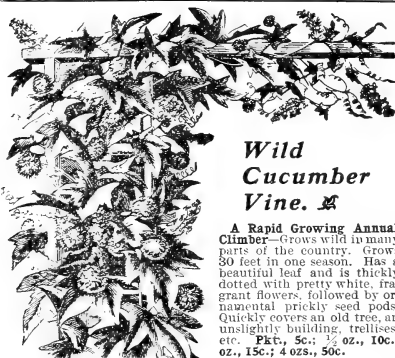
Fern Ball in Leaf.

Japanese Fern Ball.

This wonderful novelty we take pleasure in introducing as one of the most satisfactory house ferns ever offered. We had them grown the last two summers out doors until late in the fall without a faded frond. We immersed them two or three times a week in water. Its beautiful leaves and color attracted the attention of everyone throughout the entire season. The center is moss, covered with fern roots in an ingenious manner, looking like a ball of small roots twisted together. After watering they start into life and in a short time are covered with a mass of beautiful green foliage. If desired they may be allowed to dry up, which is very convenient sometimes, and started again by simply watering. All they need while growing is watering two or three times a week. Many prefer them to hanging baskets. Leaves are beautiful, very lasting, and do not fade for weeks. **Balls, 8 inches in diameter, ready to hang up, each, 75c.; 3 for \$2.00, postpaid. Smaller Size, each, 50c.; 3 for \$1.35.**



Fern Ball Before Started.



Wild Cucumber Vine.

A Rapid Growing Annual Climber—Grows wild in many parts of the country. Grows 80 feet in one season. Has a beautiful leaf and is thickly dotted with pretty white, fragrant flowers, followed by ornamental prickly seed pods. Quickly covers an old tree, an unsightly building, trellises, etc. **Pkt., 5c.; 1/2 oz., 10c.; 2 oz., 15c.; 4 ozs., 50c.**

Phrynium Variegatum.

The New Foliage Plant.

One of the best novelties that has ever come under our notice. It is a tuberous-rooted plant, the tubers of which may be kept dry for months, and will then start off vigorously. It is a good grower, succeeding well in either pots or open ground, thriving in sun or shade. The leaves are bright pale green, beautifully variegated with white and rich cream, the variegations being extremely diversified; indeed, it is almost impossible to find two leaves exactly alike. The plant is Cannalike in habit of growth and shape of leaf, attains a height 2 to 3 feet; the leaves are from six to ten inches long and two to five inches broad, of drooping habit, which shows their full beauty of form and variegation. **Strong Plants, each, 15c.; 2 for 25c., postpaid.**



New Salvia Splendens,

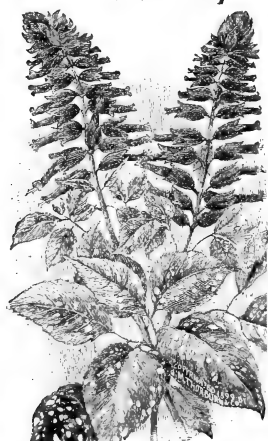
"Silverspot."

The most distinctive feature of this grand New Salvia is its strikingly handsome spotted foliage. Leaves are rich, soft dark green, with light yellowish, or cream-colored, spots of various sizes liberally sprinkled over them, and have a fresh, healthy appearance. Flowers large and bright red, plants of neat, compact habit. Only about 75 percent came true from seed last season, but we will continue to grow it if less than 50 percent would come spotted. **SEED—Pkt., 15c.; 2 for 25c. PLANTS—Each, 10c.; 3 for 25c.; doz., 75c.**

Buddleia Variabilis.

"Glory of the Butterfly."

A hardy shrub, growing 5 to 6 feet high, which, if cut down early in the season, will grow less than 3 feet and bloom even more profusely. Its graceful arching branches are covered with a woolly bloom. The bright green leaves are velvety white underneath, the contrast of white and green being very effective. Racemes of flowers, frequently one foot long, are borne in such quantities as to cover the entire bush. The coloring of flowers on seedling plants are variable. The predominating shade is rose-lilac and deep violet with orange tint in center. Exquisite shades of rose and violet-blue have also been obtained. Blooms from 3 in months. Very fragrant and lasting. Blooms from May to November. Effective and desirable as a pot plant. **SINGLE PLANTS, by mail, each, 15c.; 2 for 25c. SEED—Packet, 10c.**





New Poppy - Rosy Morn.

New Dwarf Nasturtium, "Golden Queen."

We have much pleasure in offering for the first time this beautiful golden-flowered addition to the yellow-leaved section of Nasturtiums, feeling assured that it will be accounted one of the most valuable novelty of the season. As will be seen by reference to the accompanying photograph of a plant which was lifted from the open ground for the purpose, it is extremely floriferous, and the large and perfectly formed flowers are thrown well above the foliage, thereby enhancing the brilliancy of the effect. As the character is thoroughly fixed, it comes true from seed. It is equally valuable for ribbon borders, massing in beds, or for adding to the beauty of a general mixture. Packet, 10c.; 3 packets for 25c.

New Climbing Nasturtium. Princess Victoria Louise.

One of the most beautiful varieties of Climbing Nasturtiums. Large fine shaped flowers of cream-white with orange-scarlet blotches, the calyx and spur being of solid orange-red—a rather rare shade with annual Nasturtiums. Frequently the flowers have red edges. Foliage a fine dark green. Packet, 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.



New Climbing Nasturtium, Mad. Gunther's Hybrids.

New California Poppy, "Rosy Morn."

Escholtzia Californica Caniculata Rosea.

This is a novelty of undoubted merit, and deserves the attention of all lovers of flowering annuals. In it we have not only a distinct new shade, but, after several years of careful selection, have raised a plant which is now practically fixed, producing flowers of a form hitherto unknown in the Escholtzia species. The rosy white petals are delicately channeled or fluted with fine folds radiating from the center and richly adorned with a soft primrose yellow hue, enhancing the beauty of this charming flower which will, we feel confident, gain admiration and praise wherever cultivated. Packet, 10c.; 3 packets for 25c.



New Nasturtium, Golden Queen.

Climbing Nasturtium, Mad. Gunther's Hybrids

For richness and variety of colors these new Hybrids have no equals among Nasturtiums. There are shades of rose, salmon, brightest rose, pale yellow, either as self-colors or spotted and striped. The foliage is mostly dark and contrasts very effectively with the rich colors. They are climbers and continuous bloomers. It is impossible to describe all the different colors, but some of the most striking are as follows: White, shaded carmine on the edges, with deep maroon throat; golden-yellow, shaded brown on edges; yellow, shaded and mottled with carmine; white, with red blotches, shrimp pink, (with deep maroon throat; shrimp pink, self-color; rose, bright rose, bright yellow, orange, etc. It contains a great many colors that are not found in any other mixture.

Packet, 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00, postpaid.

ONE PACKET EACH OF ABOVE THREE CHOICE NEW NASTURTIUMS, ONLY 15 CTS.

The Famous Chinese Kudzu Vine. "Jack-and-the-Bean-Stalk Vine."

The phenomenal growth of this new Chinese hardy vine can hardly be imagined. Has been known to grow 12 inches in a day. The large leaves of bright green afford a dense shade. The clusters of flowers six to seven inches long very fragrant; invaluable for rapidly covering arbors, fences, dead or old trees, rockeries, etc. Perfectly hardy, grows to a height of 50 to 75 feet after becoming well established. It can be cut back in the fall without injury, if desired. We have a fine lot of pot-grown plants, easy to mail. PRICE OF PLANTS—Each, 25c.; doz., \$2.50.

\$1.00 BIG DOLLAR COLLECTION.

BY MAIL, POSTPAID. Positively no Changes can be Allowed. Made up of our Regular Sized Packets, and NOT put up EXPRESSLY SMALL for the occasion.

- 1 Beans—Dwarf, New Giant Stringless Green Pod.
- 2 Beans—Dwarf, Livingston's New Pencil Pod Wax.
- 3 Beet—Crosby's Egyptian. Very early and very good.
- 4 Beet—Edmund's Blood Turnip. Best general use.
- 5 Cabbage—Early Spring. One of the best for early use.
- 6 Cabbage—Livingston's Ideal. Best winter variety.
- 7 Celery—Giant Pascal. Very crisp, high flavor.
- 8 Celery—White Plume. Well-known "Self-Blanching."
- 9 Corn—Country Gentleman. Best late; an evergreen.
- 10 Corn—Livingston's Evergreen. Sweetest of all.
- 11 Cucumber—Livingston's Evergreen. Best pickle.
- 12 Cucumber—Our New Emerald. Beautiful. Large.
- 13 Lettuce—Butterhead. Splendid early, with crisp head.
- 14 Lettuce—Defiance. Best of all Summer Lettuces.
- 15 Watermelon—Sweet Heart. Quality can't be beat.
- 16 Muskmelon—Rose Gem. Our new choice green flesh.

FREE
With each order for the BIG DOLLAR COLLECTION we will add one packet of either LIVINGSTON'S FANCY PANSIES. Superb Astors or an ounce of OUR MIXTURE SWEET PEAS.

- 17 Muskmelon—Livingston's Tip Top. A No. 1 quality.
- 18 Onion—Underwood's Yellow Globe. Best general crop.
- 19 Onion—White Globe. Best white. Good keeper.
- 20 Pepper—Ruby King. Large, sweet and prolific.
- 21 Parsnip—Zimpher White. Extra good 'sugar' Parsnip.
- 22 Pumpkin—Sweet, or Pie. Best for table use and stock.
- 23 Peas—Livingston's First-in-Market. A grand early.
- 24 Peas—New Carter's Daisy. Immense pods. Excellent.
- 25 Radish—Cincinnati Market. Great favorite for early.
- 26 Radish—New Charters. Best early or late large sort.
- 27 Radish—Livingston's Surprise Mixture of many kinds.
- 28 Squash—Large Golden. The Best Summer Scalloped.
- 29 Squash—Warty Hubbard. Fine for pies or baking.
- 30 Tomato—Livingston's Stone. No better. Red.
- 31 Tomato—Livingston's Beauty. No better Purple.
- 32 Turnip—Purple Top White Globe. One of the best.

TABLES. Showing the Quantity of Seed Usually Sown Upon an Acre.

LBS. PER BUS.			LBS. PER BUS.			LBS. PER BUS.		
Beans, Dwarf, in drills.....	60	2 bus.	Grass, Kentucky Blue.....	14	2 to 3 bus.	Peas, Wrinkled, in drills.....	56	2 to 3 bus.
Beans, Pole, in drills.....	60	10 to 12 qts.	Grass, Orchard.....	14	1½ to 2 bus.	Peas, broadcast.....	3	3 bus.
Beets, Table, in drills.....	60	5 to 6 lbs.	Grass, English Rye.....	24	1 to 1½ bus.	Potatoes, (cut tubers).....	60	8 to 12 bus.
Beets, Mangel Wurtzel.....	50	5 to 6 lbs.	Grass, Red Top.....	14	2	Pumpkin, in hills.....	1	1 lb.
Broom Corn, in hills.....	46	8 to 10 qts.	Grass, Timothy.....	45	1 peck.	Radish, in drills.....	8	8 to 10 lbs.
Buckwheat.....	50	1 to 3 pecks.	Grass, Hungarian.....	48	1 bus.	Rye, broadcast.....	56	1½ to 2 bus.
Cabbage—beds to transplant.....	4	1 lb.	Grass, Lawn.....	20	4 bus.	Salsify, in drills.....	8	8 to 10 lbs.
Carrot, in drills.....	60	4 lbs.	Melon, Musk, in hills.....	2	2 to 3 lbs.	Sparrah, in drills.....	10	10 lbs.
Clover, Red.....	60	15 lbs.	Melon, Water, in hills.....	1	1 to 2 lbs.	Squash, bush, in hills.....	3	3 to 4 lbs.
Clover, White.....	60	12 to 15 lbs.	Oats, broadcast.....	32	2 to 3 bus.	Squash, running, in hills.....	2	2 to 3 lbs.
Clover, Alsike.....	60	10 lbs.	Onion, in drills.....	60	4 to 5 lbs.	Sugar Cane.....	12	12 lbs.
Clover, Lucerne or Alfalfa.....	60	20 lbs.	Onions for Sets, in drills.....	40	40 to 60 lbs.	Tomato, to transplant.....	4	1 lb.
Corn, in hills.....	56	8 to 10 qts.	Onion Sets, in drills.....	6	6 to 12 bus.	Turnip, broadcast.....	1	1 lb.
Corn, for fodder.....	56	3 bus.	Parsnip, in drills.....	40	4 to 6 lbs.	Turnip, in drills, 1 oz. to.....	250	250 feet of drill.....
Cucumber, in hills.....	2	2 lbs.	Peas, Round, in drills.....	60	2 to 3 bus.			1½ lbs.

Number of Plants or Trees to the Acre at Given Distances.

DIS. APART.	NO. PLANTS.	DIS. APART.	NO. PLANTS.	DIS. APART.	NO. PLANTS.	DIS. APART.	NO. PLANTS.	DIS. APART.	NO. PLANTS.
12 x 1 inch.....	522,720	24 x 1 inch.....	261,360	36 x 3 inch.....	58,080	48 x 12 inch.....	10,800	8 x 3 feet.....	1,815
12 x 3 ".....	174,240	24 x 3 ".....	15,820	36 x 12 ".....	14,320	48 x 18 ".....	7,790	8 x 5 ".....	680
12 x 12 ".....	43,360	24 x 24 ".....	10,800	36 x 18 ".....	9,680	48 x 24 ".....	5,445	10 x 1 ".....	4,336
16 x 1 ".....	392,040	30 x 1 ".....	209,088	36 x 24 ".....	7,260	48 x 30 ".....	4,356	10 x 6 ".....	726
18 x 1 ".....	348,480	30 x 6 ".....	34,848	36 x 30 ".....	5,808	48 x 36 ".....	3,630	10 x 10 ".....	435
18 x 3 ".....	116,160	30 x 12 ".....	17,424	36 x 36 ".....	4,840	48 x 48 ".....	2,723	12 x 1 ".....	3,630
18 x 12 ".....	29,040	30 x 18 ".....	13,068	42 x 12 ".....	12,440	60 x 36 ".....	2,901	12 x 5 ".....	736
18 x 18 ".....	19,360	30 x 20 ".....	10,454	42 x 24 ".....	6,223	60 x 48 ".....	2,178	12 x 12 ".....	302
20 x 1 ".....	313,635	30 x 24 ".....	8,712	42 x 36 ".....	4,148	60 x 60 ".....	1,743	16 x 1 ".....	2,722
20 x 20 ".....	15,681	30 x 30 ".....	6,970	42 x 42 ".....	3,556	8 x 1 feet.....	5,445	16 x 16 ".....	170

Our Seed Annual Free.

with our compliments. If "The Annual" in gardening, thus conferring a double favor.

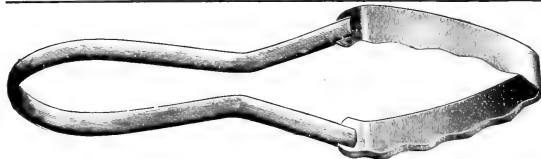
A Favor Requested.

We are pleased to send our "Seed Annual" to all interested in the growth of vegetables, flowers, farm crops, etc., whether customers or not. You will therefore accept it if it is of use to you, please hand to some friend interested in gardening.

If you have friends or acquaintances likely to need high-grade "True Blue Seeds" we will consider it a personal favor if you will send us their name and address, and we will send them free a copy of our 1902 Seed Annual.

BULB AND FALL SEED CATALOGUE, FREE.

Will be ready about September 1st. Send in your request for it now.



The New Christy Garden Weeder

This All-Steel Weeder has the famous Scalloped Cutting Edge of the Christy Knife, and will be found a No. 1 tool. Price, 25 cts., postpaid. By Express, not paid, 20 cts. We also have the same Knife with a smooth edge at same price.

REMEMBER

an order sent us in 1902, no matter how small, secures our Seed Annual for 1903, which will be mailed to you as soon as issued.

General List of Vegetable Seeds

All Standard Varieties of real merit may be found in this department. We exclude everything worthless, omit an endless number which are out of date, avoid misleading descriptions, and the offering of same varieties under dif-

**TRUE
BLUE**

ferent names. General instructions, as to planting and growth, while reliable, will not apply equally to all sections, as some allowance must be made for difference in latitude. Cultural directions on most of our packets.

Discounts

We sell Six 5-cent Packets of Seeds for 25 cents. Thirteen 5-cent Packets for 50 cents.

On all orders for Flower or Vegetable Seeds in packets or ounces, the purchaser may select Seeds to the value of \$1.25 for each dollar sent us. Thus—anyone sending \$1.00 can select seeds in packets or ounces amounting to \$1.25; or for \$2.00, seeds in packets or ounces, to the value of \$2.50, and so on, excepting only Cauliflower and Flower Seeds quoted at over 25c. per ounce. **This Discount applies ONLY ON SEEDS IN PACKETS AND OUNCES**, and does not refer to Seeds offered by weight (quarter-pound, pound, etc.), or measure (pint, quart, etc.), nor to **POTATOES, ONION SETS, BULBS OR PLANTS.**

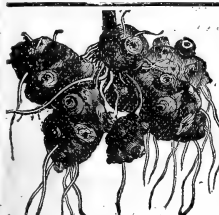
Customers who order early have their seeds on hand when they want them, and avoid unnecessary delay during the rush of the season. **Make out your order as soon as you receive our catalogue**, and remember that heavy seeds and large quantities can be sent cheaply by freight and will reach you in time if ordered early.

We pay postage on all Vegetable and Flower Seeds offered in this list by packet, ounce, quarter-pound, pound, pint or quart, unless otherwise noted. We guarantee safe delivery by mail, postage prepaid.

Peck, Bushel and Barrel Lots, when ordered, the freight or express charges must be paid by purchasers.

Seeds, ordered sent by freight or express, (buyer paying transportation charges), deduct 8 cents for a pound, 8 cents for a pint, 15 cents for a quart. Half-pounds supplied at pound rates, half-bushels at bushel rates, unless otherwise quoted.

Market Gardeners, or other Large Planters, requiring larger quantities of seeds than are here offered are invited to write for our **Special Price List**. This list we cannot send to private gardeners, even if they ask for it, as it is intended only for those who grow for market. In writing, please state whether you are a Market Gardener, Florist or Dealer in Seeds.



Jerusalem Artichoke Roots.

Artichoke

French—*Artichaut*.
German—*Artichoke*.

more generally grown. Seed can sown in hot-beds and transplanted into pots so as to give plenty of room, until danger from frost is past, then transplanted into very rich ground 3 feet apart each way, or the seed can be sown outside, early in April, in a rich seed bed in drills 1 inch deep and 12 inches apart, thinning, when up, to 4 inches apart in rows; but in that case will not likely produce heads the first season. Protect in winter with a slight covering of manure or leaves put on late after cutting off the old tops. The second season they form heads about the 1st of July. Once established they will bear for years. Pkt. 5c.; oz., 25c.; 1-lb., 80c.; lb., \$3.00.

✓ JERUSALEM ARTICHOKE ROOTS—The Jerusalem Artichoke can be grown only from the tubers. It is especially valuable as a cheap and healthful hog food, and they do the harvesting. Yield enormous crops. Tubers—4 ozs., 10c.; lb., 30c.; 3 lbs., 75c. postpaid. By express or freight—Peck, 60c.; 1-bus., \$1.00; bus. (60 lbs.) \$1.75; bbl. of 3 bus., \$4.50. Three to five bushels plant an acre.

Asparagus

French—*Asperge*. German—*Spargel*.
Spanish—*Espárrago*.

apart. Keep the soil mellow and free from weeds during the summer, thin out, and the following spring plants may be set in beds 6 feet wide, with a 2-foot path each side; set plants 1 foot apart each way, 4 inches below the surface. The deeper the soil and the more manure used the greater the crop. Annually, after the first cutting, the bed should be given a liberal top dressing of manure, ash, s and salt, which should be well cultivated into the soil. As soon as the tops turn yellow they should be cut and removed from the beds, and just before winter cover beds with 4 inches of coarse straw or manure or leaves, which should be removed in the spring. A bed 6 x 60 feet is ample for an ordinary family, and when well established is good for twenty years.

One ounce of seed sows 60 feet of drill. About 400 plants to the ounce.

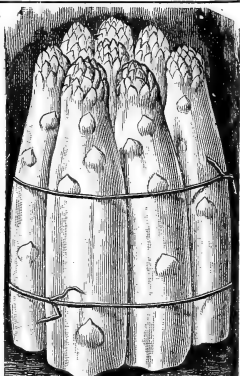
✓ Columbian Mammoth White—A distinct variety producing shoots which are white, and remain so as long as it is fit for use. Very robust and vigorous in habit, throws large shoots and fully as many as Conover's Colossal. Needs no earthing up. Pkt., 5c.; oz., 10c.; 1-lb., 25c.; lb., 65c.

✓ Donald's Elmira—Originated with Mr. Donald, a well-known market gardener of Elmira, N. Y. A good, reliable mammoth variety. Pkt., 5c.; oz., 10c.; 1-lb., 25c.; lb., 75c.

✓ Conover's Colossal—A large and rapid grower of excellent quality. Pkt., 5c.; oz., 10c.; 1-lb., 20c.; lb., 50c.

✓ Barr's Mammoth—Very large and uniform, grows very quick, and is light in color. Pkt., 5c.; oz., 10c.; 1-lb., 20c.; lb., 50c.

✓ Palmetto—This is claimed to be earlier, better yielding and more even grower than Colossal. Pkt., 5c.; oz., 10c.; 1-lb., 20c.; lb., 50c.



Bunch of Asparagus ready for market

Asparagus Roots.

By purchasing **GOOD STRONG ROOTS** two year's time is saved. At the prices quoted by the 100 and 1000 buyer is to pay Expressage or Freight. **PRICE**, delivered free in the U. S., any variety, \$1.25 per 100 roots. **Special Prices on Larger Quantities.**

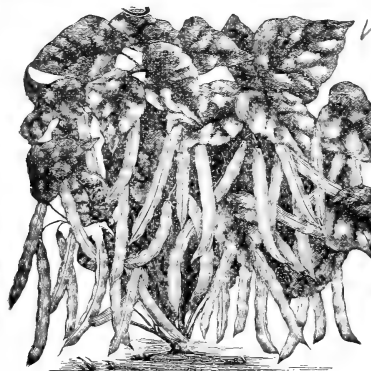
	Dozen,	35c.	postpaid.	100—75c.	1000—\$5.00	50 Roots at the
COLUMBIAN MAMMOTH WHITE	35c.	75c.	70c.	5.00	100 rate.	
DONALD'S ELMIRA	35c.	75c.	70c.	5.00	100 rate.	
PALMETTO	35c.	75c.	70c.	5.00	100 rate.	
BARR'S MAMMOTH	35c.	75c.	70c.	5.00	100 rate.	
CONOVER'S COLOSSAL	35c.	75c.	70c.	5.00	100 rate.	

Prices for Packets, Ounces, Quarter-Pounds, Pounds, Pints and Quarts are Postpaid, unless otherwise noted.

Beans or Bush Varieties

One quart will plant 100 feet of drill; 1 to 1½ bushels to the acre. We supply half-peck at peck rates, except as noted.

GREEN PODDED VARIETIES.



Livingston's Round Six Weeks Bean.

Hetty Walting, Ind. — "Your Round Six Weeks Beans have proven satisfactory for past six years."

WHITE KIDNEY (ROYAL) DWARF—An excellent shell bean for using as a green bean in succotash; one of the best for winter use. Pkt., 5c.; pint, 25c.; qt., 40c. pk., \$1.00; bus., \$3.30.

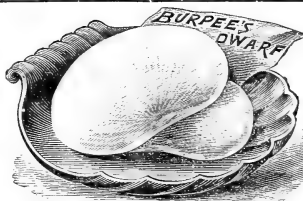
BEANS—OTHER STANDARD GREEN PODDED VARIETIES.

Prices include postage for Packet, Pint and Quart. ½ Peck, Peck, Bushel, by Freight or Express, buyer to pay the charges.

	By Mail, Postpaid.		Freight or Express	
	Pkt.	Pint. Quart.	Peck.	Bu-hel
Early White Valentine—Bean white.....	10	.25 .45	\$1.35	\$5.00
Early Mohawk—Productive; very hardy.....	10	.25 .40	1.00	3.50
Extra Early Refugee—Hardy; abundant bearer.....	10	.25 .40	1.00	3.75
Long Yellow Six Weeks—A fine early string bean.....	10	.25 .40	1.00	3.50
Best-of-All Dwarfs—Pods long, very fleshy.....	10	.25 .45	1.25	4.50
Dwarf Horticultural—Speckled Cranberry.....	10	.25 .45	1.25	4.75
White Marrow—Extensively grown; good green or dry.....	05	.25 .40	1.00	3.30
Improved Navy, or Boston Pea Bean—Very productive.....	05	.25 .40	1.00	3.30

Dwarf Limas

These varieties are of true Bush or Dwarf form, growing but 18 to 20 inches high without supports. About two weeks earlier than the Climbing Limas; abundant bearers until frost. Plant in rows 2 feet apart, plants 1 foot apart in the row.



HENDERSON'S DWARF LIMA—Compact bush form, and produces large crops. Pkt. 10c.; pint, 35c.; qt., 60c.; ½-pk., 90c.; pk., \$1.75; bus., \$6.00.

THORBURN, or DREER'S DWARF LIMA—True bush form of Dreer's Pole Lima. Matures early; very productive; grow close together in pod; thick, sweet, tender and succulent. Pkt., 10c.; pint, 35c.; qt., 60c.; ½-pk., \$1.00; pk., \$1.85; bus., \$6.50.



PACKETS OF BEANS PUT UP TO SELL AT 5c. POST-PAID, CONTAIN TOO SMALL A QUANTITY. WE THEREFORE PUT UP LIBERAL SIZED PACKETS AT 10c. POSTPAID, PREFERRED TO PLEASE RATHER THAN DISAPPOINT CUSTOMERS.

PINT AND QUART PRICES INCLUDE POSTAGE.

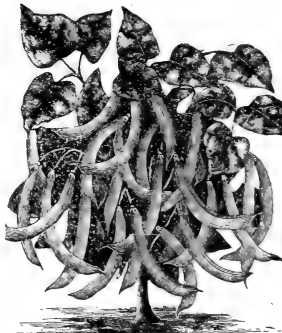
IF TO GO BY EXPRESS AT BUYER'S EXPENSE, DEDUCT 15c. FROM QUART, OR 8c. FROM PINT PRICES.

Extra Early Round Pod Valentine At least 10 days earlier than Early Valentine, and usually ready to pick in 35 days after planting. Pods round, thick, fleshy, of finest quality, and unequalled in uniformity of ripening; one of the most profitable sorts for gardeners. Pkt. 10c.; pint, 25c.; qt., 40c.; pk., \$1.00; bus., \$3.50.

Livingston's Round Six Weeks A most excellent green podded early, but a good strong grower and abundant cropper. Pods very fleshy, none surpass them in freedom from strings. A favorite with market gardeners. Pkt., 10c.; pint, 25c.; qt., 40c.; pk., \$1.00; bus., \$3.75.

Burpee's New Stringless Green Pod A very early variety having long, straight, round and fleshy pods which are free from strings. The dry beans are oval, of a chocolate brown color. Pkt., 10c.; pint, 25c.; qt., 40c.; pk., \$1.00; bus., \$3.85.

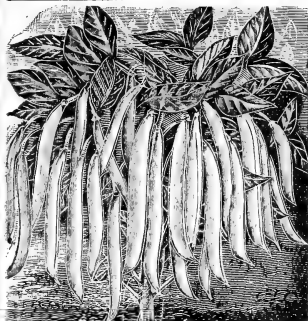
REFUGEE, or 1000-T0-1—Very productive, bearing an abundance of long, round, whitish-green pods; tender, of fine quality and handsome; medium late; preferred for canning and pickling. Pkt., 10c.; pint, 25c.; qt., 40c.; pk., \$1.00; bus., \$3.50.



Extra Early Round Pod Valentine.

BURPEE'S DWARF LIMA—Beans as large as Large Pole Lima, strictly dwarf; come true from seed; stout growth, always erect, branches vigorously, bearing 50 to 200 handsome, large pods well filled with very large beans. Pkt., 10c.; pint, 35c.; qt., 60c.; ½-pk., 90c.; pk., \$1.85; bus., \$6.50.

See Novelty List for **DREER'S NEW WONDER DWARF and QUARTER CENTURY DWARF LIMAS.**



Keeney's Rustless Wax Bean.

Dwarf Wax or Yellow Pod Varieties

NEW ROUND POD KIDNEY WAX.

This is a selection from the famous Wardwell's Kidney Wax Bean. As its name indicates, its pods are round instead of flat. It seems destined to become a popular sort. Plants grow strong and sturdy, with long, round, handsome stringless pods of large size, very solid and full of meat; crisp; brittle; Wonderfully early and productive, and will become very popular. Pkt., 10c.; pt., 35c.; qt., 60c.; pk., \$2.00; bus., \$7.00.



New Round Pod Kidney Wax Bean.

KEENEY'S RUSTLESS WAX A strong grower, with remarkable vigor and freedom from rust. Pods meaty and well-filled, thick-flat when young, and semi-round later; a rich yellow, fine quality, and entirely stringless, even when large enough to shell. If pods are picked as fast as formed the plant continues to furnish a bountiful supply for an unusually long season, and is practically everbearing until frost. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

New Davis Wax—Pods waxy-white, long, straight and thick. Beans clear white, kidney-shaped. Very productive; compact upright growth. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.35; bus., \$5.00.

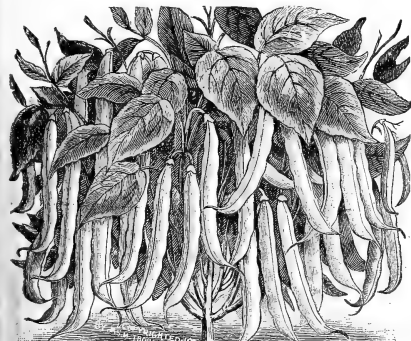
Ferry's Golden Wax—Very early; golden wax color; quality excellent. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

Currie's Rust-Proof Wax—Claimed to be absolutely rust-proof. Pods long, flat, tender and of fine quality. Early and productive. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

Challenge Dwarf Black Wax—A distinct Extra Early Wax Bean. Vigorous and productive. Pods large and of good color, growing uniform and well together. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

Scarlet Flagcolet Wax—Pods large, flat, beautiful. Pkt., 10c.; pint, 30c.; qt., 50c.; pk., \$1.50; bus., \$5.50.

NEW VALENTINE WAX An Improved Extra Early Valentine with round beautiful waxy pods. The pods are very meaty, and no other bean has less string or less hard shell to the pod as long as it is suitable for cooking. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.35; bus., \$5.00.



New Valentine Wax Bean.

WARDWELL'S KIDNEY WAX Early; vine medium, erect, hardy, productive. Pods long, broad, flat, brittle, and of a delicate waxy-yellow. Beans large, kidney-shaped, white and dark markings about the eye. First-class green snap bean, and a good one for winter. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.75.

Crystal White Wax—Distinct; one of the best; matures quick, slow to harden, retaining their juicy, succulent flavor for days after they are ready to pull. Pods ivory-white, good size, round and very fleshy. Pkt., 10c.; pint, 35c.; qt., 60c.; pk., \$1.75; bus., \$6.00.

Rust-Proof Golden Wax—One of the best strains of Golden Wax. Hardier, more prolific, holds its pods up well, of better quality, pods longer, straighter and thicker than the ordinary Golden Wax. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

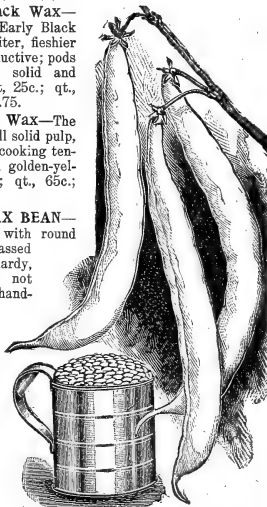
Detroit Wax—So hardy as to be called rust-proof, and its straight, handsome pods will keep a long time without spoiling, making it a fine sort for shipping long distances. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

Prolific German Black Wax—An improved strain of Early Black Wax, having longer, whiter, fleshier pods and being more productive; pods are round, waxy-yellow, solid and tender. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.25; bus., \$4.75.

Yosemite Mammoth Wax—The monster pods are nearly all solid pulp, and absolutely stringless, cooking tender and delicious; a rich golden-yellow. Pkt., 10c.; pint, 35c.; qt., 65c.; low, pk., \$2.25; bus., \$8.00.

JONES' STRINGLESS WAX BEAN—A new white-seeded variety with round stringless pods of unsurpassed beauty and quality. It is very hardy, wonderfully productive, and not liable to rust. Pods uniformly handsome, round, fleshy and well filled. Matured beans are white, and if, for any reason, the crop cannot be sold as green snap beans, they can be sold as green shelled beans or let mature and sell as dry beans. Pkt., 10c.; pint, 35c.; quart, 60c.; peck, \$2.00; bushel, \$7.00.

White-Seeded Wax—Excellent snap bean. Seed pure white. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.35; bus., \$5.00.



Jones' Stringless Wax Bean.

LARGE PACKETS—Customers write that our Packets are well filled and generally contain more Seeds than those of others

Pole Beans

The Pole or Running varieties are more tender and require more care in culture than the Dwarf or Bush varieties, and should be sown two weeks later; they succeed best in sandy loam, which should be liberally enriched with manure. Form hills 3 to 4 feet apart; plant 5 to 6 beans in a hill, 2 inches deep, leaving space in center for the pole; when well started they should be thinned to 2 or 3 plants in a hill. One quart makes 100 to 200 hills, according to size of beans. 8 to 12 quarts plant an acre.

✓ **NEW ROYAL CORN and POWELL'S PROLIFIC POLE BEANS.**
SEE NOVELTY PAGES IN FRONT OF BOOK.

Mammoth Podded Horticultural Pole Bean

The mammoth pods are striped and splashed with exceedingly brilliant crimson, and the immense beans are of the best quality. Pkt., 10c.; pint, 30c.; qt., 50c.; $\frac{1}{2}$ pk., \$1.20; pk., \$2.00; bus., \$7.50.

✓ **Kentucky Wonder**—A very prolific sort, bearing its pods in large clusters; pods green, often reaching 9 to 10 inches in length, nearly round when young, and very crisp. Pkt., 10c.; pint, 35c.; qt., 50c.; pk., \$1.75; bus., \$6.00.

✓ **Lazy Wife's**—Pods grow from 6 to 8 inches long, entirely stringless, of a rich, buttery flavor when cooked; retain their tender, rich flavor until nearly ripe; a good white shell bean for winter use. Pkt., 10c.; pint, 35c.; qt., 60c.; pk., \$2.00; bus., \$7.00.

F. K. Wilson, Ills.—"Your Lazy Wife Beans are O. K."

STANDARD POLE VARIETIES.

These prices include postage for packet, Pint and Quart. $\frac{1}{2}$ Peck, Peck and Bush to go by Freight or Express, buyer to pay charges.

	Pkt.	Pint.	Quart	$\frac{1}{2}$ Peck.	Peck.	Bush.
✓ White Greenback —Extremely early; productive; long green round pods; fine quality.....	10	.30	.50	.90	\$1.75	\$6.00
✓ White Dutch Case —Life—Splendid to shell, green or dry; an excellent corn bean.....	10	.25	.45	.70	1.35	5.00
✓ Speckled Cranberry —The old "Bird Egg".....	10	.25	.45	.70	1.35	5.00
✓ Red Speckled Cut-Short —Corn Hill.....	10	.30	.50	.80	1.75	6.00
✓ Southern Prolific —Pods long, green, fleshy, crisp and excellent.....	10	.25	.45	.70	1.35	5.00
✓ Giant Red Wax —Yellowish-white waxen pods, fleshy and tender.....	10	.35	.60	1.20	2.00	7.50
✓ Scarlet Runner —Clusters bright scarlet flowers.....	10	.25	.45	.80	1.50	5.50
✓ White Runner —White beans and blossoms.....	10	.30	.50	1.00	1.85	6.50
✓ Yard Long or Cuban Asparagus Bean —A curiosity; dark green foliage; pods over two feet long and very abundant.....						

Packets only—10c., 3 for 25c.

POLE LIMA BEANS.

Lima Beans will not grow until the weather and ground are warm, and if planted before they are apt to rot in the ground.

✓ **LIVINGSTON'S EARLY DAWN LIMA.** See Novelty Pages.

Siebert's Early Lima

The Earliest True Lima and the very best for market gardeners. Very productive, hardy and vigorous. Produces pods early, and the beans are of fine quality. The green beans are of immense size, but so tender and succulent that they shrink in drying to about the size of the Large White Lima. Pkt., 10c.; pint, 35c.; qt., 60c.; $\frac{1}{2}$ pk., \$1.20; pk., \$2.00; bus., \$6.75.

✓ **Early Jersey**—Beans are nearly as large and equally as good as the late sorts, but two weeks earlier. Pkt., 10c.; pint, 30c.; qt., 50c.; $\frac{1}{2}$ pk., \$1.00; pk., \$1.85; bus., \$6.50.

✓ **King of the Garden**—Vigorous grower, bearing large pods 5 to 8 inches long. Beans large, of rich flavor. Pkt., 10c.; pint, 30c.; qt., 50c.; $\frac{1}{2}$ pk., \$1.00; pk., \$1.85; bus., \$6.50.

✓ **Dreer's Improved (Challenger)**—Beans, when green, are as large as Large Lima, but thicker, sweeter and more tender. Vines very early, productive, bearing closely crowded clusters until frost. Pkt., 10c.; pint, 30c.; qt., 50c.; $\frac{1}{2}$ pk., \$1.00; pk., \$1.85; bus., \$6.50.

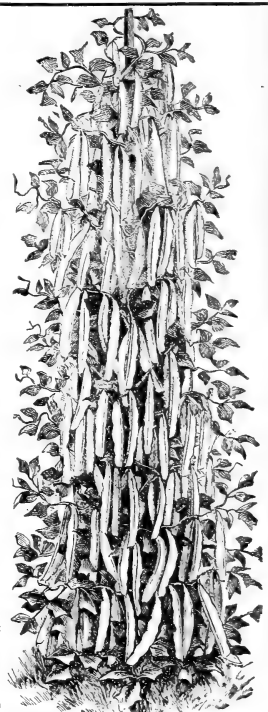
✓ **Extra Large White**—The old favorite for home use or the market. Pkt., 10c.; pint, 25c.; qt., 45c.; $\frac{1}{2}$ pk., 90c.; pk., \$1.75; bus., \$6.00.

✓ **Ford's Mammoth Podded**—Pods 6 to 9 inches long, in clusters of 5 or 6; of excellent quality for using green or dry. Pkt., 10c.; pint, 35c.; qt., 60c.; pk., \$2.00; bus., \$7.00.

✓ **Small White (Sieva)**—Smaller leaves and seeds, but earlier and more hardy than the Large Lima. Pkt., 10c.; pint, 30c.; qt., 50c.; $\frac{1}{2}$ pk., 90c.; pk., \$1.75; bus., \$6.00.

A. J. Verner, Penn.

"Your Siebert's Early Lima proved to be a fine bean."



Early Golden Cluster Wax

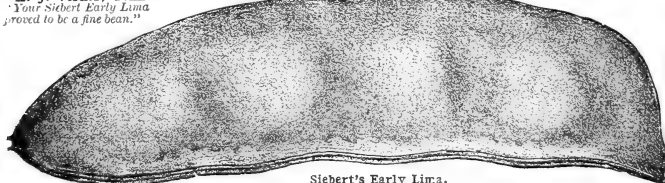
The best of all White Pole Beans. Pods bright golden yellow, stringless, tender and of delicious flavor. Vines strong and hardy, enormously productive, bearing in clusters. Matures very early and continues bearing until frost. Beans clear waxy-white; excellent shelled green. The most profitable market Wax sort. Pkt., 10c.; pint, 30c.; qt., 50c.; $\frac{1}{2}$ pk., \$1.00; pk., \$1.85; bus., \$6.50.

PINT AND QUART PRICES INCLUDE POSTAGE.

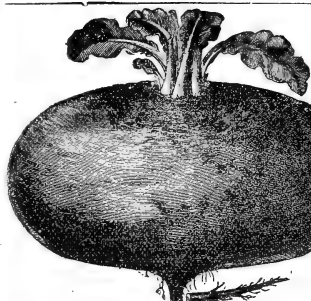
IF TO GO BY EXPRESS, AT BUYER'S EXPENSE, DEDUCT 15c. FROM QUART OR 5c. FROM PINT PRICES QUOTED ON THIS PAGE.

LARGE PACKETS

CUSTOMERS WRITE THAT OUR PACKETS ARE WELL FILLED AND CONTAIN MORE SEEDS THAN OTHERS.



Siebert's Early Lima.



Crosby's Egyptian Beet.

✓ CROSBY'S Improved Egyptian Beet.

A very superior strain of Blood-Red Egyptian, carefully selected for years by Mr. Crosby, a noted market gardener, whose aim was to secure a perfect forcing variety. The results obtained were handsome form, good size, few small tops, very small tap root, fine quality, and, above all, quick, rapid growth. The shape is very desirable, not quite so flat as the ordinary Egyptian, nor so round as the Eclipse. Takes on its turnip shape and looks well even in the early stages of its growth, on which account it is preferred for forcing to the Globe and Half-Long varieties, which require longer time to grow to presentable market shape. This is a decided advantage to those who force for real early market, and especially for a market where beets are sold in bunches. Preferred to all others for forcing in frames or for first sowing outside. Being a rapid grower it may be sown outside as late as July. We have made a fine selection of this stock for years and believe we have it nearer the original Crosby idea than anyone in the trade; many samples we have tested from other houses turned out to be the ordinary Egyptian, a mixture or inferior grade of so-called "Crosby." If planted about every three weeks it makes a most excellent beet for family use. Seed scarce. Pkt., 10c.; oz., 15c.; 2 ozs., 20c.; ¼ lb., 30c.; lb., \$1.00.

J. M. Riker, Kan., writes, Feb. 2, 1900: "I have had the lead on beets in my markets for several years just by planting your Crosby's Egyptian."

EDMAND'S EARLY BLOOD TURNIP—The most uniform of all Turnip Beets. Root always smooth, round and handsome, top small, of good marketable size, and among the best for table use. Color dark red; crisp, tender and sweet; good keeper. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

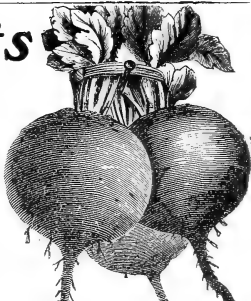
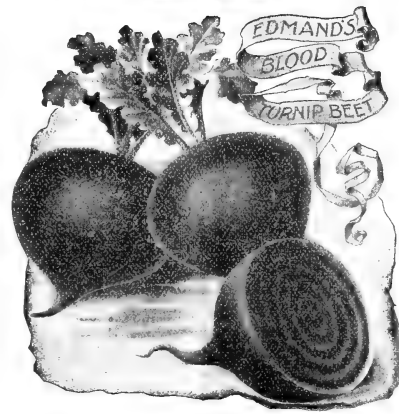
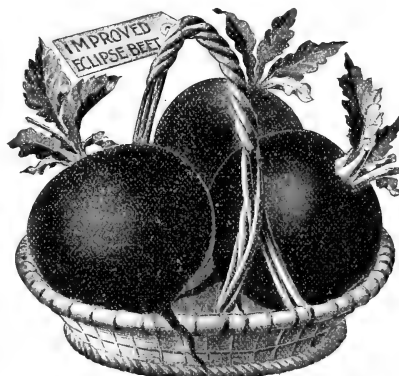
Table Beets

French, *Cotterave*. Spanish, *Betteraga*.
German, *Runkle Rubc*.

The soil best suited for the culture of the Beet is that which is rather light, provided it is thoroughly mixed with manure. If wanted very early, sow in hot-beds and transplant; but for main crop, sow in the spring as soon as the ground becomes fit to work, in drills 18 inches apart, 1 inch deep. For winter use the turnip varieties may be sown as late as June and the seed covered about two inches. When the plants have attained 3 or 4 inches in height thin out so that they stand 5 or 6 inches apart. Keep free from weeds by frequent hoeing and hand-weeding if necessary. Before freezing weather sets in the roots may be stored in cellars or pits, same as potatoes; dry earth thrown over them before the straw is put on insures their keeping over winter. Do not bruise them in handling.

One ounce of seed to 50 feet of drill; 5 to 6 pounds to the acre.

IMPROVED ECLIPSE—A very early, handsome, smooth, dark, globe-shaped beet; small top; in quality very desirable. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 45c. By Express, not prepaid, 5 lbs. or more at 32c. per pound.



Detroit Dark Red Beet.

DETROIT DARK RED—One of the best red turnip-shaped varieties. Has small, upright tops; splendid shape; color of skin is dark blood-red, flesh deep, bright red. Very crisp, tender and sweet; matures early, holds a long time in condition for use. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

WARLINGTON FAVORITE—Of fine form, good flavor, deep blood-red flesh, small foliage; for general market garden cultivation hard to excel. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Lentz—Very early, of fine shape; has small tops; flesh ringed in color, tender and sweet in quality. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

DEWING'S IMPROVED BLOOD TURNIP—The leading main crop variety. Roots smooth, handsome, good size, tender and sweet. A favorite with marketmen. The seed we offer is grown from SELECTED BEETS and is unexcelled by any in the country. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

EARLY EGYPTIAN—Very early, dark blood-red, medium size. tender and sweet; used extensively for forcing in frames and green-houses, and is one of the very best for kitchen gardens. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 45c. By express, not prepaid, 5 lbs. or more at 32c. per pound.

HALF-LONG BLOOD-RED—Of handsome shape, fine quality, and quick growth, coming in soon after the Turnip varieties; good for winter use if planted about the middle of July. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

LONG DARK BLOOD-RED—A good keeper; excellent for winter. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Bastian's Early Blood Turnip—Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Early Flat Red Bassano—Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Early Blood Turnip—The old standby. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.



Mangel Wurzels

An ever increasing acreage is being planted to stock beets, because of the wonderful results by feeding them as shown by the reports of our Experiment stations, and leading farmers and stockmen. Fattening, breeding and milk cattle do equally well on them. With dairy cattle, the flow of milk is largely increased. About one-fourth of the daily ration should be of roots. Hog cholera is prevented by their use. Sow in rows 2½ to 3 feet apart as soon as the ground can be thoroughly worked. Cover seed about 1½ inch, making ground firm over the seed. Thin to 8 inches apart, when 4 inches high. Where many are grown a good drill and cultivator are needed. 5 pounds sows an acre.

✓ **IMPROVED MAMMOTH LONG RED**—Also called Norbitan Giant, Jumbo Mangel, Colossal, etc.—A general favorite with the farmer and dairymen; large, well-formed variety; blood-red color; exceedingly nutritious. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 35c. By Express—Lb., 25c.; 5 lbs., \$1.10; 10 lbs., \$2.00.

✓ **Golden Giant Intermediate**—(Yellow Leviathan, Mammoth Yellow)—Beautiful russet-yellow; skin smooth; flesh white, firm and sweet; produces enormously; excellent keeper. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c. By Express—Lb., 30c.; 5 lb., \$1.25; 10 lbs., \$2.25.

✓ **Champion Yellow, or Orange Globe**—Very productive, easily pulled; excellent keeper; spherical in shape; orange-yellow. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c. By Express—Lb., 30c.; 5 lb., \$1.25.

✓ **GOLDEN TANKARD**—Very productive and rich in saccharine matter. Flesh yellow, tops and necks very small, roots large; especially relished by sheep. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 40c. By Express—Lb., 30c.; 5 lbs., \$1.25; 10 lbs., \$2.25.

✓ **Red Globe**—Similar to Yellow Globe, except color. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 35c. By Express—Lb., 30c.; 5 lbs., \$1.25.

Sugar Beets.

Sugar Beets are not as heavy yielders as the Mangels, but are of superior quality, containing a large amount of saccharine matter. They are excellent for feeding cows, improving wonderfully the quantity; also the quality of milk.

✓ **WILMORIN'S IMPROVED WHITE**—A medium sized White Sugar Beet brought by the most careful selection to the highest perfection, both in shape and color of roots. Greatly esteemed by sugar manufacturers. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 35c. By Express—Lb., 25c.; 5 lbs., \$1.10; 10 lbs., \$2.00.

✓ **French Red Top**—Extensively grown in France. Ripens early; yields large returns in sugar per acre; heavy cropper. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 35c. By Express—Lb., 25c.; 5 lbs., \$1.10.

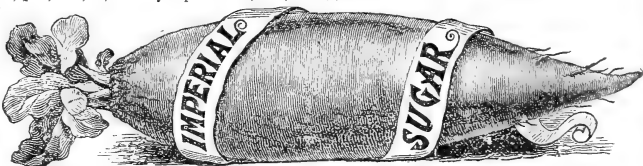
✓ **KLEIN-WANZLEBEN**—The root is comical, straight and even, quite large at the head and rapidly tapering. Contains greatest amount of sugar of any. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 35c. By Express—Lb., 25c.; 5 lbs., \$1.10.

✓ **MANE'S IMPERIAL**—An excellent American variety, and well liked for stock-feeding. Large, smooth, of fine grain and very sweet. Pkt., 5c.; oz., 10c.; ¼ lb., 15c.; lb., 35c. By Express—Lb., 25c.; 5 lbs., \$1.00.

✓ Swiss Chard.

Silver or Sea Kale Beet.

Cultivated for its leaves. The mid-ribs is stewed and served as Asparagus. Other portions of the leaf being used as Spinach. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.



SPECIAL PRICES ON APPLICATION FOR LARGER QUANTITIES OF MANGELS AND SUGAR BEETS.

Broccoli

French—Chou Brocoli.
German—Spargel Kohl.

Sow thinly in seed beds about the middle of spring; transplant and cultivate the same as Cabbage. Produces heads very nearly like Cauliflower, but more hardy.

✓ **Early Large White**—Heads medium size, close and compact. One of the most certain to head. Pkt., 10c.; oz., 30c.; ¼ lb., \$1.00.

✓ **BORECOLE, or KALE**—See Kale.

Brussels Sprouts

French—Chou de Bruxelles.
German—Spargen Kohl.

Brussels Sprouts are being more extensively grown and used. Home gardeners are finding out that this delicious vegetable can be as easily grown as cabbage. Sow in May and manage as winter cabbage. In the fall break the leaves down so that the little cabbage will have more room to grow.

✓ **Best Imported Dwarf**—Produces compact sprouts of finest quality; a good keeper. Pkt., 5c.; oz., 15c.; ¼ lb., 50c.; lb., \$1.60.

Chicory

Large-Rooted—Used to mix with or as a substitute for coffee. Cultivate the same as the Carrot. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Collards

A plant of the Cabbage family. It is well adapted to the South, enduring extreme heat; very popular: excellent for greens. ✓ **True Southern**—Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

✓ Corn Salad, or Feticus

German—Lemmersalat.

French—Mâche.

A vegetable used as a salad. Sow the first opening of spring in rows 1 foot apart, and it is fit for use in six or eight weeks. If wanted in early spring, sow in September, cover with straw or hay as soon as cold weather sets in. Can be grown in cold frames, covered with straw mats or shutters, and used any time during the winter.

✓ **Large Leaved**—Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Cress, or Pepper Grass

A well-known pungent salad; can be used alone or with lettuce. Requires to be sown thickly (covering very lightly) at frequent intervals, to keep up a succession, as it soon runs to seed.

✓ **Extra Curled (Pepper Grass)**—May be cut two or three times. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

✓ **Upland Cress**—This is a hardy perennial; stays green nearly the whole year; ready for use in the spring before any other salad. Eaten like Lettuce or Boiled like Spinach. Sow in April in rows 1 foot apart. Pkt., 10c.; oz., 20c.; oz., 35c.

✓ **Water Cress**—A well-known hardy perennial aquatic plant. It is easily grown along margins of ponds and streams where it increases both by spreading of the roots and seeding. Has a pleasant pungent taste. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.

Cabbage

French—Choux Poiremes. German—Köpf Kohl. Spanish—Repollo.

Cabbage requires deep, rich, mellow soil, high manuring and good culture to obtain fine, solid heads. For early use sow seeds of the early kinds in the hot-bed or in a box in the house the last of January or early in February, and transplant in the open ground in April, in rows 2 feet apart and 18 inches in the row; or sow a bed of seed outside as soon as the soil can be worked. Transplant in about 4 weeks. For second early cabbage, sow in April, and transplant in May. For late cabbage, sow in May, and transplant in July, in rows 3 feet apart and 2 feet in the row. In transplanting it is important that plants be set down to the first leaf, so that the stem may not be injured in case of frost. Be careful not to cover the heart of the plant. Hoe every week and stir the earth deep. As they advance in growth draw a little earth to the plants until they begin to head. To prevent splitting or bursting go frequently over the ground and start every cabbage that appears about to mature, by pushing them over sideways, which breaks some of the roots and checks its growth. To prevent attacks of Cabbage Fly on small plants, dust thoroughly with plaster, air-slacked lime or wood ashes. For Cabbage Worm try Slug Shot; (see Insect Destroyers in this Catalogue.) One ounce of seed produces about 2,500 plants. Four ounces will grow enough plants to set an acre.

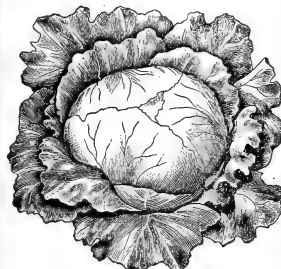
EARLY JERSEY WAKEFIELD

Selected Stock.—Many market gardeners consider this the very best early cabbage in cultivation. Certainly deserving of its great popularity. Grown extensively for market and shipping. Its merits are many, among which are: large heads for an early sort, small outside foliage, and uniformity of crop. Pyramidal in shape, having a blunted or rounded peak. The sort mostly used for wintering over in cold frames. The seed we offer is first-class; sure to give satisfaction. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.85

A. N. Chevison, Bond Co., Ills., 1901.—"From the Early Jersey Wakefield Cabbage seed I got of you last year I grew the best, largest and heaviest I ever raised."

LARGE WAKEFIELD

or Charleston Wakefield.—Selection from Early Jersey Wakefield, only it is about one week later than that popular early variety, but grows much larger, heads often averaging 15 to 18 lbs.; as solid as Winingstadt. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.00



Henderson's Early Summer.



Early Winingstadt.

✓ **VERY EARLY ETAMPES**—Earliest of all Cabbages, except Express. Heads oblong, rounded at top, quite solid, medium size. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.25.

HENDERSON'S EARLY SUMMER.

Selected Stock.—About 10 days later than the Early Wakefield, but being fully double the size, it may be classed as decidedly the best large Early Cabbage, and is deservedly popular with market gardeners. Equal in weight to most of the late varieties, and its short outer leaves allow it to be planted nearly as close as Wakefield. Keeps longer without bursting than any variety with which we are acquainted. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

R. J. Johnson, Crawford Co., Ga., 1900.—"My last order received and Cabbage is up, and as pretty a stand as I ever saw. 99 per cent grew."

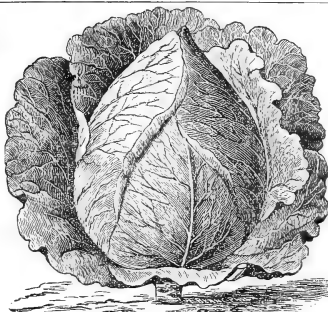
EXTRA EARLY EXPRESS.

Earliest Cabbage in the World.

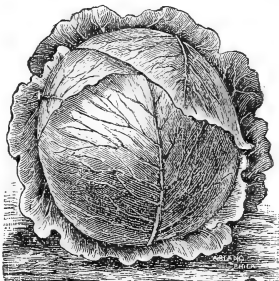
While not quite so large as Jersey Wakefield, it is several days earlier, and for a first early variety can not be excelled. Resembles the Etampes, having solid, compact heads of conical form, and yellowish-green color; very dwarf and uniform; desirable as a quick forcing sort. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

EARLY WINNINGSTADT

The Old Standby.—Well known and very popular. In season very close to Wakefield. Heads large, decidedly conical, leaves bright glossy-green, solid and hard, even in summer. A very sure header. Valuable not only for early use, but also for winter. As near worm-proof as any cabbage in the list. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.35.



Early Jersey Wakefield.



All-Head Early.

ALL-HEAD EARLY.

(True.)—A thoroughbred sort, on account of its remarkably uniform size and shape, and reliability for heading. Deep, flat heads, solid and uniform in color, shape and size. The main feature of a good cabbage is tenderness, and, in this respect, it is unsurpassed. For winter sow in July, and the plants set out about the middle of August, will bring heads, large and solid, sure to winter well. By reason of its compactness, and the absence of loose leaves, fully 1,000 more heads can be obtained from an acre than of most other good sized varieties. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.50.

W. E. Harris, Gibson Co., Tenn., 1901.—"The seeds I got of you last spring did very well. Of the All-Head Cabbage I grew the finest I ever did. Headed up large and fine."

EARLY DEEP HEAD.

A magnificent variety. It makes a large and thick head, hence it is good to keep over winter, "peeling" well in the spring. One of the best second early cabbages. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.50.

Cabbage—Continued.

✓ **EARLY SPRING** A New Extra Early Flat Head Variety. As early as Jersey Wakefield. Yields one-third more than any other extra early cabbage on the same space of ground. Plant them 21 inches apart and you have 13,000 per acre. It has the peculiarity of heading firmly at an extra early stage in its growth, making it a valuable variety for extra early market. Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c; $\frac{1}{4}$ lb., 8c; lb., \$3.00.

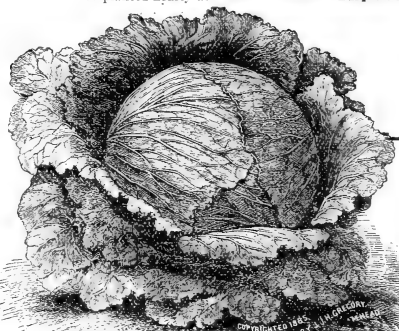
✓ **ALL SEASON**—(Vandergaw)—A greatly improved strain of Early Flat Dutch. Heads very large, round, solid, and of fine quality, keeping as well as the winter sorts. Remarkable for its ability to stand the hot sun and dry weather. One of the very best for general cultivation, and none better for late planting. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 60c; lb., \$2.00.

✓ **Early Dwarf Flat Dutch**—An excellent second early variety, producing fine, large heads after the first early varieties have disappeared. Highly valued both for its fine quality and ability to resist heat. Heads very solid, broad and round, flattened on top; tender and of fine grained. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

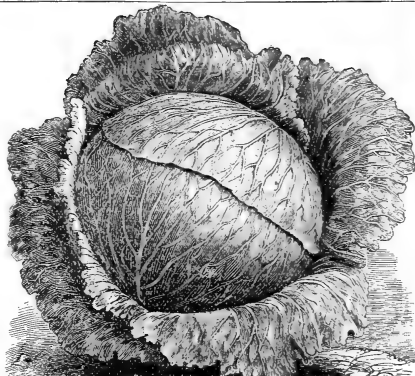
✓ **Henderson's Succession**—About one week later than the Early Summer, but nearly double the size, while it can be planted nearly as close, its outer leaves being unusually short. One of its characteristics is the fact that it is always sure to head. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 70c; lb., \$2.50.

✓ **Early Louisville Drumhead**—A favorite about Cincinnati and Louisville, where it has been grown for more than forty years. Heads very large and solid; a sure header; will stand without bursting almost the entire summer. For winter use sow late in the season. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

✓ **Chase's Excelsior**—A medium early variety, following Early Summer, but with heads almost double the size. It is very uniform in type, sure to head, and is exceedingly solid. Planted late it is one of the best winter sorts. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.25.



Chase's Excelsior Cabbage.



Burpee's Surehead Cabbage.

✓ **BURPEE'S SURE HEAD**—Is a very reliable header; large, round, flattened heads of the Flat Dutch type; a good keeper and shipper; exceedingly popular for fall and winter use. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 60c; lb., \$1.90.

✓ **Marblehead Mammoth**—The largest variety of cabbage ever produced. Has been known to exceed 50 lbs. per head in weight. The quality is excellent for so large a variety. It is a very desirable variety for warm latitudes; also to grow for prizes, exhibition at fairs, etc. Pkt., 5c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 75c.

✓ **Filderkraut**—A solid and sure heading german variety. Heads pointed conical and solid. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

✓ **Fottler's Short Stem Brunswick**—A rapid grower; has large, solid heads and but few outside leaves. If planted early it is ready for use in July or August; planted late it is a choice winter sort. Pkt., 5c; $\frac{1}{2}$ oz., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c; lb., \$1.75.

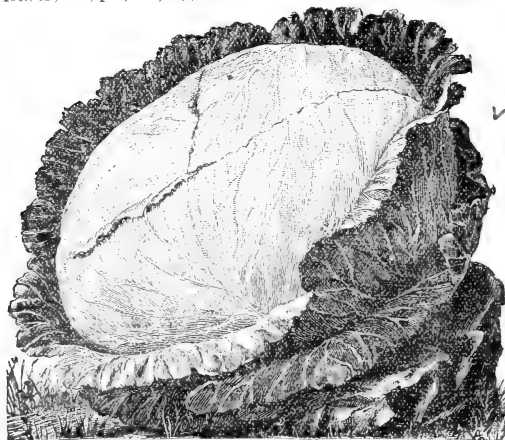
✓ **Livingston's Ideal Winter Cabbage.**

This variety is but a few days earlier than Livingston's Premium Flat Dutch, and is certainly one of the most magnificent strains of Late Flat Dutch known to-day. By persistent selection, year after year, it has been brought to a state of perfection rarely attained. The large, solid heads, the low, short stems, the absence of useless foliage, uniformity of size and shape, reliability for heading, and the long continued selection mentioned above, all combine to make this the **Ideal Cabbage for Profit**. Pkt., 10c; $\frac{1}{2}$ oz., 15c; oz., 25c; $\frac{1}{4}$ lb., 65c; lb., \$2.25.

Mrs. A. A. Souder, Vinton Co., Ohio, 1900.—"I do not think there is any better cabbage grown than your Ideal. I planted it again this year."

Mr. W. K. Powell, Monroe Co., O., 1901.—"I ordered last year for the first time the Ideal Cabbage and while I have been growing cabbage for market for years, yet I found it as fine a winter variety as I ever grew."

Mr. Paul Manhey, Holmes Co., Ohio, Feb. 16, 1901, writes.—"We can recommend your Ideal Cabbage very highly. We think there is none better."



Livingston's New Ideal Cabbage.

LIVINGSTON'S PREMIUM FLAT DUTCH CABBAGE.

Some fifteen years ago we set out to build up a strain of Large Late Flat Dutch Cabbage that would be better than any other on the market. We are strongly convinced that we now have it in our Select Premium Flat Dutch. Our purpose has been to weed out every objectionable point, and to fix firmly every good quality. It produces many tons to the acre, because of its solidity and compact, snug manner of growth. Unlike most large sorts it is solid to the heart. Seeds have been grown always from heads (not from stalks after the heads were taken off) fully developed and perfect in every respect; this strain has no superior. Heads are large and very solid; they open white, crisp and tender, and, with good cultivation, are sure to head. Grown largely by marketmen on account of its good shipping qualities. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25; 2 lbs., \$4.25, postpaid.

THE NEW LUPTON—A grand new Cabbage. A rare combination of the second early and late sorts. Strong in constitution, perfect in type, has none of the coarseness of the late varieties, with all the fine qualities of early maturity. The stalk is short; color dark green; very large heads in proportion to the plant. Especially adapted to all purposes of the farmer and market gardener, as it will grow more uniform, head better, and keep equally as well as the later varieties. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

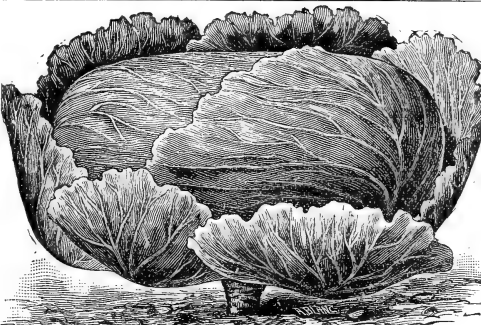
F. R. Wilson, Iroquois Co., Ills., March 17, 1900. "Your Lupton Cabbage can't be beat."

Luxemburg—TRUE AMERICAN—Owing to its many remarkable keeping properties, and the fact that the head remains as green as when gathered in the fall; it is the king of all cabbage for late keeping in the spring. For spring and late spring sales, when cabbages usually bring their highest price, this is the cabbage. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

Large Late Flat Dutch—Grows to a large size, the flat, solid heads often weighing 15 to 20 pounds. A sure header and a good keeper over winter; extensively grown for shipping. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Bridgeport Drumhead—Very popular about Chicago, and shipped more largely than any other from that market. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Large American Drumhead—A very superior fall and winter variety; large, solid heads. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.



Livingston's Premium Flat Dutch Cabbage.



Autumn King or World Beater Cabbage.

AUTUMN KING, or WORLD BEATER—One of the finest strains of Late Cabbage ever offered. It produces regular, even heads of enormous size, and can be relied upon to produce a greater weight of crop from the same space of ground than most of the late sorts, from the fact of its producing so few outer leaves. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

999 HEADS OUT OF 1000 PLANTS.

Emil Sherer, Bexar Co., Texas, 1901. "The Autumn King is the best Cabbage I have ever seen in this country. Not as large as Flat Dutch, but heavier. Out of a thousand plants you get about 999 heads of Autumn King, at a rough estimate. It is the best cabbage for our country."

Savoy Cabbage.

The Savoy or Curley Cabbages are of much finer flavor and quality than the best of other kinds, and should be more generally cultivated. They are particularly adapted for private use, where quality rather than quantity is considered. Grown in the fall and allowed to be touched by frost it is a most delicious vegetable.

Small Early Savoy—Best early dwarf Savoy; heads firm, solid, beautifully crimped; finest quality. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

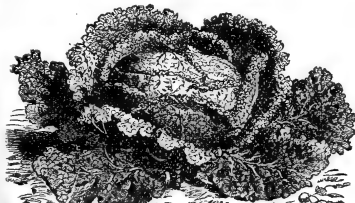
Improved American Savoy—Far superior to the ordinary Drumhead Savoy offered under different names. Heads large and very finely curled; short stalk, compact grower; sure header; keeps well. The best of all Savoy for home use or market. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

Red Cabbage.

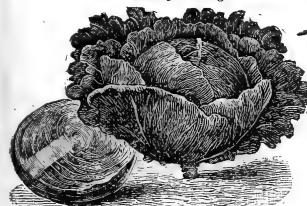
Extra Early Blood Red Erfurt—Earliest and reddest. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

Red Drumhead—Heads large, rounded, hard and very deeply colored at the heart. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

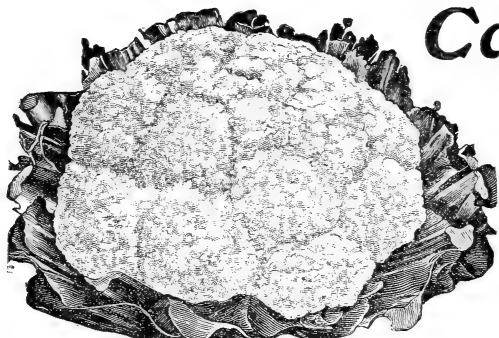
Mammoth Rock Red—Heads as large as Flat Dutch, deep red to center; highly recommended. Hard as a rock. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.



Savoy Cabbage.



Mammoth Rock Red Cabbage.



Livingston's Earliest Cauliflower.

Livingston's Earliest Sure Header Select Stock

The best of all for forcing under glass. Compact grower, extremely early, sure heading, heads large, solid, and white as snow. Gardeners who have grown this fine stock for more than 10 years, invariable pronounce it the most profitable variety for either early or late planting. In short, it is an excellent all-seasons Cauliflower. Price, under our True Blue Seal—Pkt., 25c.; $\frac{1}{4}$ oz., 90c.; oz., \$3.50; $\frac{1}{2}$ lb., \$12.00.

LIVINGSTON'S EARLIEST IN GREENHOUSE.

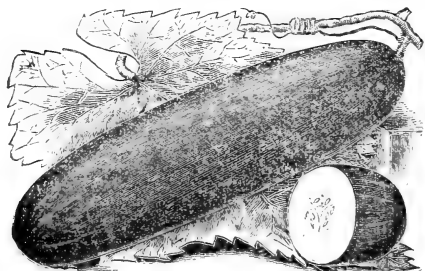
Mr. S. P. Ash, Cumberland, Co., N. J.—Last season I planted Livingston's Earliest Cauliflower seed in my greenhouse along with Snowstorm and Snowball, and it came out far ahead of either of them. Such a beautiful lot of Cauliflower I never raised under glass. They brought the top market price, selling at \$3.50 to \$4.75 per dozen heads, during the month of April. From one ounce of Earliest I got 3500 plants.

✓ Veitch's Autumn Giant—The heads are beautifully white, large, compact, and being thoroughly protected by the foliage, remain longer fit for use. Pkt., 10c.; $\frac{1}{4}$ oz., 20c.; oz., 45c.; $\frac{1}{2}$ lb., \$1.50; lb., \$5.50.

Cucumbers

German—Gurke. French—Concombers. Spanish—Cohombro.

required for use or not, as, if left to ripen on the vines, it destroys their productiveness. CUCUMBERS FORCED UNDER GLASS turn yellow quickly, sometimes, from over-feeding and from the use of manures that are too quick; on this account cow manure is preferred to horse manure. One ounce of seed will plant fifty hills; one or two pounds an acre.



✓ LIVINGSTON'S EMERALD.

Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c. For full description see Novelty List.

Cauliflower.

German—Blumen Kohl. French—Choufleur. Spanish—Coliflor.

No Seed is more important than Cauliflower. The Price should not be considered.

The culture of Cauliflower is similar to Cabbage, but should be more thorough and ground made very rich. It delights in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. Sow seed in the hot-bed in January or February, and transplant the plants 2 or 3 inches apart in boxes, or in the soil of another hot-bed, until such time as they are safe to be planted in open ground, which, in this latitude is usually from the 15th of March to the 10th of April. Set the plants 2 feet by 15 inches apart. If properly hardened off they are seldom injured by being planted out too early. When heading tie the outside leaves loosely over the head to protect it from the sun. Cauliflower should be kept growing constantly, as it may be injured by a check at any period of growth. The soil in the hot-bed should be no richer than in the field.

One ounce gives 1500 to 2000 plants.

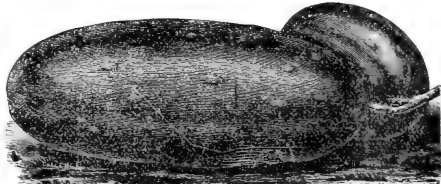
✓ HENDERSON'S EARLY SNOWBALL—One of the best types of Cauliflower on the market. Second only to our Livingston's Earliest. If planted March 1st, large heads will be produced early in June, and scarcely a single head will fail to form. The outer leaves are short, so that plants may be set 18 to 20 inches apart. Its compact habit of growth renders it a very profitable variety to force under glass, and it does well for late planting. OUR STOCK CANNOT BE EXCELLED IN QUALITY. Pkt., 25c.; $\frac{1}{4}$ oz., 75c.; $\frac{1}{2}$ oz., \$1.40; oz., \$2.50; $\frac{1}{2}$ lb., \$8.50.

✓ EXTRA EARLY DWARF ERFURT—Dwarf habit, compact growth, short outside leaves; can be planted 20 inches apart. A sure header but not up to our strain of Snowball. Pkt., 15c.; $\frac{1}{4}$ oz., 65c.; $\frac{1}{2}$ oz., \$1.25; oz., \$2.25; $\frac{1}{2}$ lb., \$7.50.

✓ Half Early Paris, or Nonpariel—Large, white and compact; good early or late. Pkt., 10c.; $\frac{1}{4}$ oz., 20c.; oz., 60c.; $\frac{1}{2}$ lb., \$2.00.

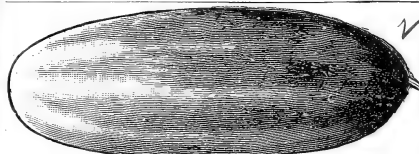
✓ Large Late Algiers—A splendid late variety; popular with canners and market gardeners. Seldom fails to produce large, white heads. Pkt., 10c.; $\frac{1}{4}$ oz., 20c.; oz., 60c.; $\frac{1}{2}$ lb., \$2.00.

As soon as the weather becomes settled and warm, plant in hills 4 to 6 feet apart each way, with 8 or 10 seeds in a hill: cover half an inch deep, smoothing the hill off with the hoe. Keep the soil well stirred, and when the plants are out of danger of insects, leave 3 or 4 plants to a hill. For pickles, plant from 1st of June to 1st of August. The fruit should be gathered when large enough, whether



✓ LIVINGSTON'S EVERGREEN PICKLE.

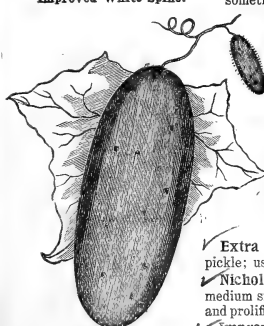
Introduced by us in 1890, now well-known the country over, catalogued by all the leading seedmen, and generally admitted to be the best pickle sort offered, possessing every qualification required in a perfect Pickle Cucumber. One grower says it bears "four to one" compared with the standard sorts. It is a very strong grower, extra early, and bears firm, crisp fruits which are excellent for slicing. When ripe it is YELLOW, not WHITE, as some have mistaken it. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.; 3 lbs., \$1.50, postpaid.



Livingston's Extra Early White Spine.



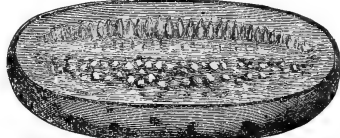
Improved White Spine.



Early Frame or Short Green.



Improved Long Green.



Nicholson's Medium Green.

✓ Livingston's Extra Early White Spine

This private strain we have had for over 30 years, and is the most thoroughbred, uniform and shapely variety known, not only for first early, but general crop. Excels in earliness, often ready for slicing when other sorts are only pickles. In purity it is unequaled. Vines are vigorous growers. Excellent for slicing and makes choice pickles; straight and smooth; a great bearer, keeps green longer than the yellow varieties; no sort excels it in crispness and flavor. Our Southern friends will find it admirably adapted to their wants. **SELECTED SEED**—Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.; 3 lbs., \$2.00.

Gherkins—(TRUE WEST INDIA)—Used only for pickles. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., \$1.00.

Chicago, or Westerfield Pickling—Popular with Chicago gardeners; medium length, slightly pointed at ends, very large, prominent spines; deep green. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Peerless White Spine—ONE OF THE FINEST. Large, straight and well formed; full at both ends; productive; skin deep green, holding its color until maturity. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Jersey Pickling—Intermediate between Long and Short Green, forming a long, slender, cylindrical pickle; crisp and tender. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 55c.

Albino—A fine white skinned sort; excellent for home use. Pkt., 5c.; oz., 10c.

Early Green Cluster—A short prickly variety bearing clusters; prolific; fine for bottle pickles. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Cool and Crisp—The beautiful green of this variety is all that can be desired. Excellent for pickling or slicing. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Extra Early Russian—The earliest; small, hardy, productive; excellent for small pickles. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Arlington Improved White Spine—GENUINE STOCK—For market use and pickling this variety is much superior to the old White Spine. Our stock is true Boston Strain. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Serpent, or Snake Cucumber—A very interesting curiosity. The cucumbers grow curled up like a snake with the head protruding, and sometimes several feet in length; quality fair. Pkt., 10c.

Thorburn's Everbearing—Small, very early, productive, and valuable as a pickle. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Green Prolific or Boston Pickling—Its characteristics are its uniform growth, seldom yielding cucumbers too large for pickling, and its immense productiveness. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Japanese Climbing—Vines extra strong; foliage more vigorous than other kinds, and, being a climbing sort, can be grown on trellises, etc., saving valuable space in small gardens. Very prolific, from 40 to 50 having been counted on single plants. Fruits cylindrical, about 10 inches long; fine flavor. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 90c.

Giant Pera—Of large size, smooth, straight, free from spines; flesh white, crisp and tender. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 85c.

Early Frame or Short Green—A popular variety of medium size. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Extra Long, or Evergreen White Spine—Longer than the Peerless; fine quality; makes a good pickle; used quite extensively for growing under glass. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

Nichol's Medium Green—We introduced this variety in 1883. Color dark green; flesh crisp and tender; medium size; always straight and smooth; real handsome and prolific variety. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 50c.

Improved Long Green—Long and crisp; popular and reliable for pickles. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 60c.

White Pearl (Japan White)—Pearly white. Pkt., 5c.; oz., 10c.

✓ ENGLISH FRAME, or FORCING CUCUMBERS.

Noa's Forcing—Most excellent sort; prolific. Pkt., 15c.

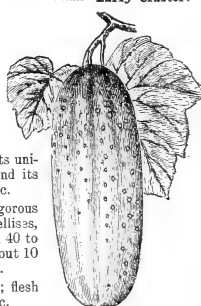
Roliffson's Telegraph—Grows about 18 inches long, bright green color, perfectly smooth. Pkt., 15c.



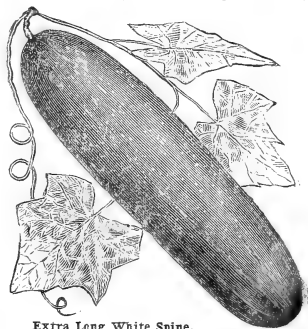
Gherkins.



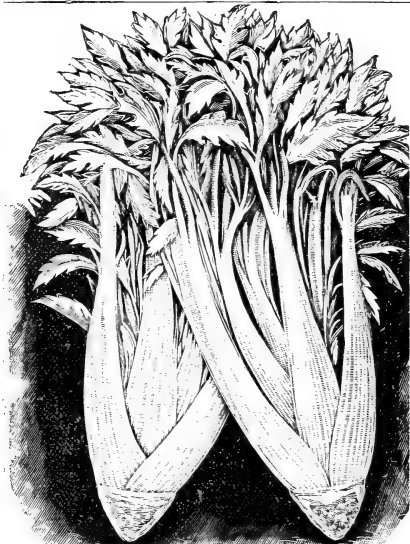
Early Cluster.



Green Prolific.



Extra Long White Spine.



Selected White Plume Celery.

SELECTED WHITE PLUME CELERY

Early, Handsome, of Good Flavor and Fine Texture. More Largely Grown than All Other Varieties Combined.

Our strain of White Plume Celery is becoming more popular every year on account of the extreme care we use in selecting stock seed, thus enabling us to offer you this season a very superior strain. It is almost self-blanching; naturally its stalk and portions of the inner leaves and heart are so white that by closing the stalks, either by tying or simply drawing the soil up against the plant and pressing it together, the work of blanching is completed. In appearance it is very ornamental. It is unsurpassed for fall and early winter use. It is a good keeper up to the holiday season; but for later use we would advise growing some of the more hardy kinds. WE HAVE MADE A SPECIALTY OF WHITE PLUME EVER SINCE ITS INTRODUCTION, AND ARE SUPPLYING MANY OF THE LARGEST GROWERS THROUGHOUT THE COUNTRY. **Selected White Plume**—Pkt., 5c.; 1 lb., \$2.00.

FROM A CELERY GROWER.

Geo. T. Robinson, Talbot Co., Md., says: "I wish to add my testimonial for your White Plume Celery. I have been raising White Plume for ten years and have never seen any to equal yours in perfection of color. Also it is free from green stalks, is of good height and blanches easily. It cannot be excelled."

PERLE LE GRAND

The New Perle Le Grand is handsome, stocky and robust, and its close habit is always admired. Its beautiful, full golden heart and rich nutty flavor is unsurpassed by any other variety. It is a good early Celery, being among the first fit for use, and remains, when properly trenched, in perfect condition away into the spring. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

GOLDEN SELF-BLANCHING

For EARLY USE preferred by many to all other sorts; as self-blanching as White Plume, and simply needs a slight earthing up. The entire plant is an attractive yellowish-green, and as it approaches maturity the inner stems and leaves become a beautiful waxy golden color. Crows to good size, very tender, crisp and solid. Invaluable to the gardener and exceedingly popular with all planters. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 30c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.85.

CELERY

German—*Sellerie*.
French—*Celeri*.
Spanish—*Apis*.

LIVINGSTON'S HIGH GRADE CELERY SEED.

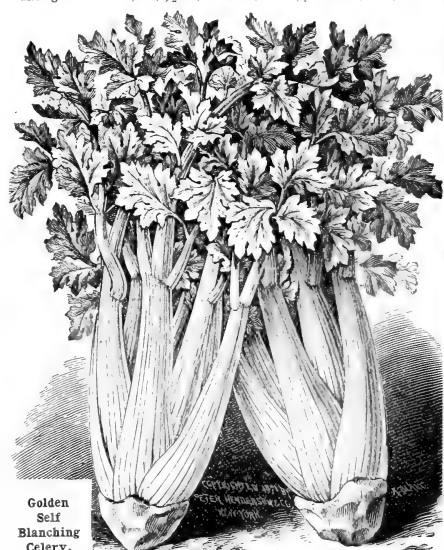
CELERY CULTURE Celery can be successfully grown with but little labor, in a good garden soil, by using plenty of well rotted manure with a liberal sprinkling of coarse salt worked into it, and this mixture should be put into the trenches, working it well into the soil, at least two weeks before the plants are transplanted into them. It delights, however, in low, moist, rich bottom land, or well drained muck soil. It is usually grown as a second crop.

GROWING THE PLANTS It is not necessary to sow the seeds in a hot bed or cold frame, as it is apt to run to seed if started too soon, but sow in the open ground as soon as it is fit to work in April, and an additional sowing or two between this date and May first, will insure a plentiful supply of good plants. Sow in rows so that it can be kept free from weeds. Prepare the soil well and cover the seed very shallow and firm the soil well after sowing; also keep very moist until the seed germinates. After coming up the plants should be partially shaded for a week or ten days, and see that the soil does not get too dry. To insure good "stocky" plants, the tops should be cut back, to say within two inches of the crown, when about four inches high.

TRANSPLANTING The evening is the best time, and especially if after a shower; otherwise give them a good watering and you will lose but very few plants. Remember that it is essential that the soil be pressed firmly about each plant when set out, especially if done in a dry time; the old method of setting in deep trenches is a thing of the past. Some of our most successful growers set on the level surface, while others prefer a broad, shallow trench, only three or four inches deep. These trenches should be at least three feet apart for the dwarf, and not less than four feet for the larger sorts; set plants in single rows not over six inches apart in the trench. Transplanting is done about the middle of June for the first early, and as late as the middle of August for the latest. Keep well cultivated, and in about six weeks "handling" should begin (never do this when wet from rain or dew). This is done to make the celery grow upright. The soil is drawn to the row from each side with an ordinary hoe. Now take all the leaves of the plant in one hand and with the other draw the soil around it, pressing firmly, being careful that no soil gets between the leaves, as it is apt to cause rust, or rot the plant. In about two weeks, or as often as it is necessary to keep the leaves in an upright position, more soil should be drawn to the row. For fuller and more complete directions send for our celery book; see page 29. **One ounce of seed produces about 2000 plants.**

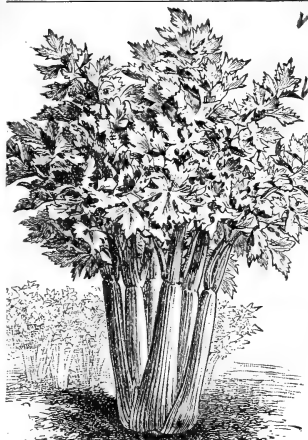
NEW ROSE

The red and pink celeries are gaining in favor, because they are hardier and better keepers than the yellow and white sorts, also for extra fine quality. The heart and stem being shaded to a fine rose color, makes it an attractive ornament to the dining table. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.



Golden
Self
Blanching
Celery.

SEE FIRST SIXTEEN PAGES OF THIS BOOK FOR NEW THINGS IN SEEDS, ETC.



Golden Rose Celery.

NEW GOLDEN ROSE (Rose Ribbed Golden Self-Blanching)—It is a sport from the Golden Self-Blanching, having the same rich, golden-yellow color, in the main, greatly enhanced in beauty by the delicate rosy hue of the ribs. A strong and healthy grower, and its self-blanching character well fixed. Plant dwarf and heavy, stalks smooth, free from ridges, solid and crisp. Very early; good keeper. **BLANCHES NATURALLY.** Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 90c.; lb., \$3.00.

PINK PLUME Practically identical with White Plume, excepting that the stalks are suffused with pink, and possessing the crispness, rich nutty flavor and long keeping qualities peculiar to red sorts. The appearance is extremely attractive, and the quality simply perfect. The habit of growth is strong and vigorous. Its self-blanching qualities are the same as White Plume. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

✓ Giant White Solid—Large size; tall and of stiff growth; white and crisp. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

Celery Plants

whether you want 100 or 100,000 plants.

Celeriac. Turnip-Rooted Celery.

Sow seed same way Celery seed is sown. Transplant in rows 2 feet apart and 9 inches in the row. Thorough cultivation is necessary to secure good roots. The roots may be cooked or used as salad.

Apple-Shaped—An early, smooth variety. Roots shaped like an apple; good flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

✓ Giant Smooth Prague—A very large and smooth variety, free from side roots. A desirable sort for market, and an excellent keeper. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.60.

NEW TRIUMPH A New Celery. Splendid Long-Keeping Sort. Extra Fine Flavor. A late variety of real merit. Healthy, strong grower, stalk very white, crisp, tender and brittle. We recommend it as worthy a first place among late varieties. Pkt., 5c.; oz., 20c.; $\frac{1}{2}$ oz., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

DWARF GOLDEN HEART A distinct variety of sturdy dwarf habit. It is solid, an excellent keeper, and of fine nutty flavor. When blanched, the heart, which is large and full, is a light yellow, making a showy and desirable variety for either market or private use. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

GIANT GOLDEN HEART Produced by careful selection and high culture from Dwarf Golden Heart, by one of the best celery growers in the country. In quality, appearance and LARGE SIZE it is unsurpassed. ONE OF THE BEST LATE VARIETIES FOR THE MARKET GARDENER, while its fine flavor and rich color make it desirable for private use. Very hardy. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 60c.; lb., \$1.75.

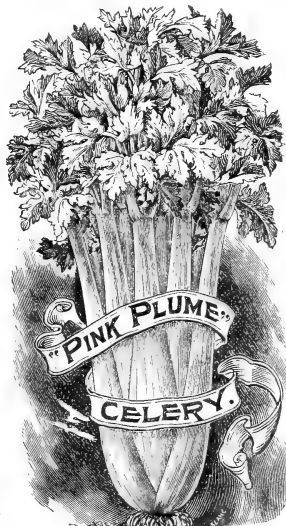
✓ Kalamazoo—The most perfect type of Dwarf Celery known. It is distinct, and of a beautiful cream-white color; attains large size; of quick growth; stiff, close habit, outer ribs standing straight. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.

✓ Boston Market—Vigorous grower; very blanching; excellent keeper; remarkably tender, crisp and solid. Best variety for light soils; late keeper. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.40.

✓ Dwarf White Solid—Dwarf, white, close habit; solid, crisp and juicy. Pkt., 5c.; $\frac{1}{2}$ oz., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

✓ Flavoring Celery (Old Seed)—Used for flavoring soups, pickles, etc. Postpaid—Oz., 5c.; $\frac{1}{2}$ lb., 15c.; lb., 35c. By Express (at buyer's expense)—Lb., 25c.; 5 lbs., \$1.10; 10 lbs., \$2.00.

GIANT PASCAL A green leaved variety which developed from the Golden Self-Blanching, retains the beautiful color, thick, solid, crisp stalks and incomparable flavor of that variety, but is of stronger growth, also larger, producing perfectly blanched stalks. It is unequalled for rice, nutty flavor. Blanches very easily and is very brittle. A fine keeper, an excellent shipper, retaining color and fresh appearance as long as any other. A favorite with Southern growers. For midwinter and early spring it is excellent. Pkt., 5c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.50.



LIVINGSTON'S CELERY BOOK.

Illustrated, 100 Pages. Written expressly for us by Mr. E. S. HOLLISTER, who has been the most extensive, practical Celery grower and shipper in the United States for the past twenty years. He has grown extensive crops in Canada, Michigan, Ohio and Florida. The work is full up-to-date on all essential points and is a COMPLETE GUIDE FOR THE CELERY GROWERS. Paper Cover, 40 cents. Cloth Bound, 60 cents.

THE BOOK FREE. We will give a Celery Book (paper cover) with an order for Celery Seed amounting to \$3.00, or Cloth Bound \$4.50 Celery order. A general order for other seeds amounting to \$4.00 secures a paper cover, or \$6.00 order the cloth bound, providing customers request it at time of ordering.

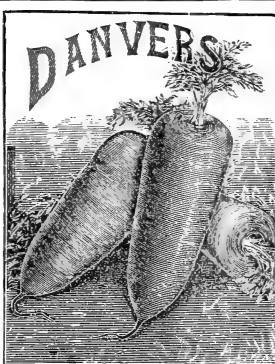
EARLY MARKET**CARROT.**

The Carrot, like other root crops, flourishes best in a well enriched sandy soil, deeply tilled, and if plowed the fall before all the better. Sow in early spring in drills 15 to 18 inches apart, finally thinning plants to 3 or 4 inches; keep clean by frequent hoeing and weeding. If neglected the young plants are easily smothered, and the crop is lost. Seed slow to germinate. If sown early or on moist soil half inch is deep enough to cover seed. One ounce sows 150 feet of drill. 4 pounds sows an acre.

✓ **Livingston's Early Market**—Stump rooted, grows about the size of our Cincinnati Market Radish, excellent forcer; fine flavor; flesh deep orange, fine grained. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 85c.

✓ **Chantenay**—One of the best for home or market. Deep red flesh, fine grained and sugary; an excellent sort for table use; stump-rooted; always smooth; very early; productive. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

✓ **Danvers**—One of the most productive and best for field culture. Tops medium; roots dark orange color, large, of medium length, tapering abruptly at point; very uniform; handsome; flesh deep orange; sweet and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.



Livingston's Early Market Carrot.

✓ **Oxheart, or Guebrande**—Intermediate length; fully 3 to 5 inches

in diameter; quality extra good. Other sorts require digging: Oxheart can be easily pulled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 90c.

✓ **Intermediate Red**—Excellent new English sort. Smooth and nearly the Danvers in size. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

✓ **Nantes' Early Half-Long Scarlet**—Stump-rooted, sweet, fine flavored; almost without a core; very fine grained; excellent for home garden or market. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

✓ **Improved Long Orange**—A standard late variety, handsome and uniform in shape; deep orange color; good flavor; yields heavily. Requires deep soil; plants should stand 8 inches apart in 18-inch drills for roots to attain full size. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

BELGIAN CARROTS

The great stock food of Europe. Enormously productive; nutritious and splendid keepers. ✓ **Large Orange Belgian**—Long

White-Green Top—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

Ohio Grown Seed Sweet Corn is Unexcelled by either Eastern or Western Grown Stocks.

SWEET CORN

French—*Mais*.
German—*Welshkorn*.
Spanish—*Mais*.

The Sweet, or Sugar Corn, varieties being liable to rot in cold or wet ground, should not be planted until May, or when the ground has become warm, and for a succession plant every ten days or two weeks until the last week of July, in hills 2x3 feet for early kinds, and 3x3 feet for the large late kinds. Some plant in drills 3½ feet apart and 8 inches in the row. Give frequent and thorough cultivation. One quart plants 200 to 300 hills. 8 or 10 quarts for an acre.

KENDEL'S EARLY GIANT SWEET CORN

This is not a mere novelty, but is of real merit. Ears large, measuring from 8 to 10 inches long, having 10 to 12 rows on each cob; kernels pure white, sweet and tender. Gardeners report this corn ready to use in 60 days grown on sand, and 72 days on heavy clay. Dealers and truckers report ready sales, and are enthusiastic over its earliness, large size and productiveness. The most popular corn we sold last season. POSTPAID—Pkt., 10c.; $\frac{1}{2}$ pt., 15c.; pt., 25c.; qt., 40c.; pk., 90c.; bus., \$3.00.

✓ **Extra Early Cory**—One of the earliest known. Large ears, considering size of stock, small cob well-filled with handsome grains. Pkt., 5c.; pint, 20c.; qt., 40c.; pk., 90c.; bus., \$3.00.

✓ **Early Minnesota**—One of the earliest; esteemed for its excellent qualities. Pkt., 5c.; pint, 20c.; qt., 40c.; peck, 90c.; bus., \$3.00.

✓ **White Cory**—Identical with Extra Early Cory, except color; kernels and cob white. Pkt., 5c.; pint, 20c.; qt., 40c.; peck, 90c.; bus., \$3.00.

✓ **Extra Early Adams**—Hardest and earliest corn known. It is not a Sugar Corn, but on account of its being largely sold for table use we class it among the Sugar Corns. Ears short; grain white. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.50.

✓ **Early Adams**—Similar to Extra Early Adams; larger, but not so early. Often used for the table, particularly in the Southern States. Also a splendid corn to grow for early feeding purposes. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 75c.; bus., \$2.50.

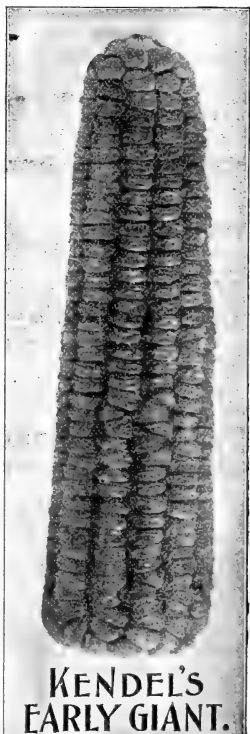
✓ **First-of-All**—Selection from the Cory; good quality; tender; sweet. Pkt., 5c.; pint, 20c.; qt., 40c.; peck, 90c.; bus., \$3.00.

✓ **Old Colony**—A fine second-early variety, a little after Crosby's; of a stronger growth, with larger ears. Stalks grows six feet high, bearing two good ears measuring eight to ten inches long, with twelve or more rows of handsome white grains of excellent quality. Pkt., 5c.; pint, 20c.; qt., 40c.; peck, 85c.; bus., \$2.75.

Our QUART and PINT PRICES INCLUDE POSTAGE.

If to go by Express at buyer's expense, deduct 15c. from quart or 5c. from pint prices quoted above.

HALF-PINT, mailed postpaid, 10 cts., unless otherwise quoted.



**KENDEL'S
EARLY GIANT.**

MAMMOTH WHITE CORY This new strain is fully as early as the original Cory, while the ears are of larger size, with the grains placed more compactly. Cobs and grains are pure WHITE. The ears of the new Large White Cob, or MAMMOTH CORY, retain the whiteness of the grains when cooked. Pkt., 5c.; pint, 20c.; qt., 40c.; $\frac{1}{2}$ peck, 55c.; peck, \$1.00; bus., \$3.25.

LIVINGSTON'S EVERGREEN SUGAR CORN (White Cob)—We worked industriously fifteen seasons to produce this corn. To make a long story short, it is simply our old Livingston's Evergreen with a white cob. The new White Cob strain lacks not one good quality of the older sort from which it sprang, and we believe it will be endorsed by every grower, whether for home or market. Pkt., 5c.; pint, 20c.; qt., 40c. By Express— $\frac{1}{2}$ peck, 55c.; peck, \$1.00; bus., \$3.25.

LIVINGSTON'S EVERGREEN SUGAR CORN (Red Cob)—This variety we introduced in 1860, and it is now a general favorite with marketmen throughout the United States. It is a first-class second early corn, and can be planted here as late as the first week in July. It is very productive; has large, well-filled ears, with broad kernels and very small cob, filled well over the tip. VERY SWEET (none sweeter). Out-sells, in this market, every other variety. A good cropper, grows only 6 or 7 feet high, and, maturing early, makes a very profitable food crop for hogs, milch cows and other stock when early feeding is desired and at a time when other feed is short. Pkt., 5c.; pint, 20c.; qt., 40c.; $\frac{1}{2}$ peck, 55c.; peck, \$1.00; bus., \$3.25.

LIVINGSTON'S SILVER COIN Introduced by us in 1894. It certainly excels in two very important points, **productiveness and quality.** It has a larger and more uniform ear than the well known

Stowell's Evergreen, is fully as early and much more productive. It is strictly an evergreen, remaining long in edible condition; is admitted to be the most "everlastingly evergreen" of all sweet corns. Pkt., 5c.; pint, 20c.; qt., 40c.; $\frac{1}{2}$ peck, 55c.; peck, \$1.00; bus., \$3.25.

COLUMBUS MARKET The New Columbus Market comes into market with the second earlies, such as Pee-and-Kay, Shaker's Early, etc., but is fully twice as large as any of them. The ears carry an average of 16 rows of fine, large, deep, white and very sweet grains, which are second to none in tenderness and flavor. Stalk very strong, sturdy, of medium height; leaves broad, dark green; a habit of growth which gives it great endurance during a dry time. Customers are surprised at its large size and early maturity. Pkt., 5c.; pint, 20c.; qt., 40c.; $\frac{1}{2}$ peck, 55c.; peck, \$1.00; bus., \$3.25.

BURLINGTON HYBRID Is not a pure Sweet Corn, but in quality is better than the Adams Corns, and its size and appearance ahead of any Sweet Corn of its season. Combines earliness with good quality; very productive; has a husk similar to sweet corn. No progressive gardener should fail to grow it. Pkt., 5c.; pint, 20c.; qt., 40c.; $\frac{1}{2}$ peck, 55c.; peck, \$1.00; bus., \$3.25.

COUNTRY GENTLEMAN By careful selection and painstaking effort on our part, we have developed a strain which, in size and quality, is unequalled by any other stock of this variety in the country. As a table corn this variety stands unrivaled, and, without doubt, is the most luscious of all sweet corns. The plump pearly white kernels are of great depth, most delicious, and the flavor will delight an epicure. The ears are just the size to be attractive on the table, have very small cob, and, owing to the heavy husk protection, retain their delicious tenderness beyond the usual period. Pkt., 5c.; pint, 20c.; qt., 40c. By Express— $\frac{1}{2}$ peck, 55c.; peck, \$1.00; bus., \$3.25.

IMPROVED HICKOX—Earlier than Stowell's Evergreen, and has a large, attractive ear of very white and handsome grain. One of the best varieties for canners' use. By planting it at the same time as Stowell's Evergreen the season will be lengthened considerably, as the Hickox will be about through by the time Stowell's Evergreen comes in; very prolific, ordinarily every stalk will have two large, fully developed ears. The best sort for drying. Pkt., 5c.; pint, 20c.; qt., 40c.; $\frac{1}{2}$ peck, 50c.; peck, 90c.; bus., \$3.00.

STOWELL'S EVERGREEN—CHOICE HOME GROWN STOCK—A favorite with canners and market gardeners for late use. Ears large, kernels very deep, tender and sugary; very productive. Remains a long time fit for table use. Pkt., 5c.; pint, 20c.; qt., 40c.; $\frac{1}{2}$ peck, 50c.; peck, 90c.; bus., \$3.00.

EGYPTIAN SWEET—One of the best late varieties, and very handsome. Ears large, none more uniform, and excels all in filling out perfectly at the tip end; cob and grain white; very productive. Pkt., 5c.; pint, 20c.; qt., 40c.; peck, 85c.; bus., \$2.75.

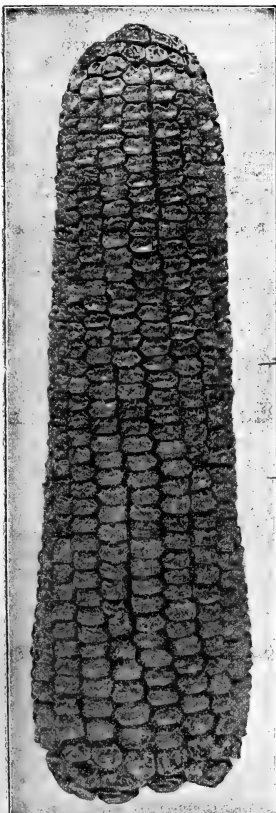
SHAKER'S EARLY—Splendid market sort, ready very soon after Early Minnesota, but the ears are much larger. Pkt., 5c.; pint, 20c.; qt., 40c.; peck, 90c.; bus., \$3.00.

PEE-AND-KAY—Only a few days behind the earliest. Has an ear about the size of Evergreen. Pkt., 5c.; pint, 20c.; qt., 40c.; peck, 90c.; bus., \$3.00.

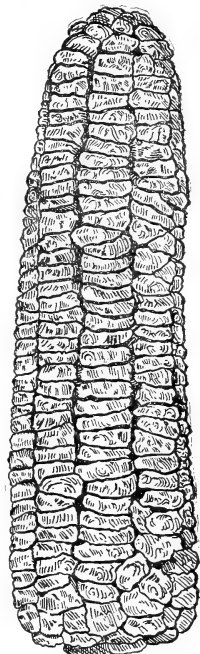
MAMMOTH SUGAR—Produces larger ears than any other sweet corn. Pkt., 5c.; pint, 20c.; qt., 35c.; peck, 85c.; bus., \$2.75.

SWEET CORN FOR FODDER. Sow thickly in drills, or broadcast, at the rate of 2 or 3 bushels per acre. Peck, 55c.; $\frac{1}{2}$ bus., \$1.00; bus., \$2.25; bag, of 2 $\frac{1}{2}$ bushels, \$4.75. NO CHARGE FOR BAGS.

FIELD AND POP CORN—SEE FARM SEED DEPARTMENT.



Columbus Market Sweet Corn.

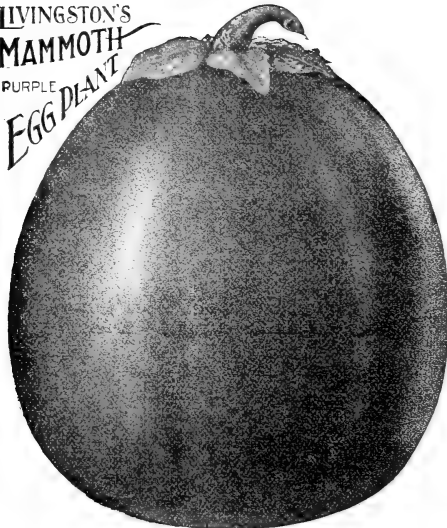


Mammoth White Cory.

Dandelion

Seed should be sown in May or June on warm, rich soil, in drills half an inch deep, and 18 inches apart. Plants ready for use the following spring. Roots, when dried and roasted, are often used as a substitute for coffee. When grown for the roots only, sow in September and cultivate well for one year, when the roots are ready for digging. **Large-Leaved**—Leaved fully double the size of the common Dandelion. A great advance over the old variety. Pkt. 5c.; oz., 50c.; $\frac{1}{4}$ lb., \$1.50; lb., \$5.00.

LIVINGSTON'S
MAMMOTH
PURPLE
EGG PLANT



SIMPLY IMMENSE.

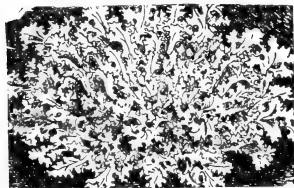
S. H. Horn, Ohio, 1901.—"Your Mammoth Purple Egg Plant was the best and most prolific that we ever had. They were simply immense, both in quantity and quality."

NEW PEARL WHITE The plant is a large, vigorous grower and comparatively free from thorns. Fruit pure creamy white, with slight shading of a very light green near the stem; beautiful in shape, resembling somewhat the purple variety. In eating quality it is very delicious, fine grain and well flavored. Pkt., 10c.; $\frac{1}{2}$ oz., 25c.; oz., 40c.; $\frac{1}{4}$ lb., \$1.50.

Black Pekin—Very dark round, early. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 30c.

Endive

Its leaves make a splendid salad when properly blanched, and one that is very useful. It comes in after lettuce is gone. It may be grown at any season, but is usually grown for use late in the fall. For an early crop, sow in April, in drills 13 inches apart, and later thin plants in beds and transplanted to above distance after attaining sufficient size. The main sowings are made in June and July. Ordinary good soil and cultivation are all it requires. When nearly full grown it is blanched in the following manner: Gather up the leaves and tie them by their tips in a conical form, thereby excluding the light and air from their inner leaves, which then blanch to a beautiful yellowish-white. This process takes two to five weeks, according to the temperature, blanching fastest in warm weather. Another method is to lay clean boards over the plants, which exclude the light and air. Tie up at different times, as it only keeps a short after blanching. For winter use take up with earth and store in frames or a dry cellar. One ounce of seed sows 100 feet of drill.



Ever White Curled Endive.

EVER WHITE CURLED—The most beautiful variety. Plants moderately dense; leaves coarser than those of the Green Curled, but the mid-rib is yellow and the leaves frequently almost white; plants very attractive, and always bring the highest prices on the market. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

FINE GREEN CURLED—The hardiest variety, and very desirable for the home and market garden. The deep green leaves are beautifully cut and curled, easily blanched, and become very crisp, tender and fine flavored. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

LARGE GREEN CURLED—A large, coarse, strong growing variety, which by tying up, can be made to form finely blanched centers of good quality. Outer leaves well cut, and bright, deep green. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.

MOSS CURLED—A beautiful curled variety somewhat resembling moss; dark green color; quality fine. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.

BROAD LEAVED BATAVIAN—The broad, thick, slightly wrinkled leaves form a large head which is blanched for soups and soups, but if the leaves are gathered and tied at the top they will blanch nicely and make an excellent salad. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

Egg Plant

French—*Aubergine*. German—*Eierpflanze*. Spanish—*Berengana*.

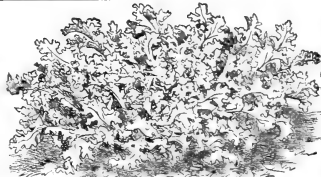
The Egg Plant should be more generally grown, for when well grown and properly cooked is a most delicious vegetable. The seeds germinate slowly and should be started in flats or boxes in a strong, uniform heat, and kept constantly growing, because the young plants seldom recover if checked in their growth. Sow seed in hot-beds or warm greenhouse in March or early April; if no hot-bed is at hand they may be grown in any light room where the temperature will average 75 degrees. When plants are two inches high, or have formed two rough leaves, transplant them in beds 3 or 4 inches apart. Keep the bed closed and very warm, shading from the direct rays of the sun, giving an abundance of water until the ground is warm and all danger from frost and cold nights is past, then harden the plants by gradual exposure to the sun and air, and increase the supply of water; transplant to the open ground late in May or June into warm, rich soil, 2 or 3 feet apart each way, according to the richness of the soil. When about a foot high draw the earth up to the stems. Care should be used in cutting the fruit so as not to disturb the roots of the plants.

LIVINGSTON'S MAMMOTH PURPLE. SPINELESS. NORTHERN GROWN.

This splendid variety we obtained by careful selection and extra cultivation, beginning with a true strain of New York Improved Large Purple. The process of improvement was carried on for years, until we now have the finest strain of Mammoth Egg Plant of which we have any knowledge. While immense size was one of the main objects, we did not lose sight of other valuable points essential in a first-class market variety. It is quite early for such a large sort and a sure cropper. Plant large, vigorous and productive. Fruit very uniform in color and shape; very large, usually 7 to 9 inches in diameter, but sometimes specimens are grown measuring 10 inches. Skin a handsome dark purple, smooth and glossy. Flesh white, of superior quality. We pronounce it the best Egg Plant in cultivation—no exception. It is very important that growers have the best seed and variety obtainable, for if poorly grown, irregular in shape or green in color, they are quite unsalable, and your time and money are wasted. **Selected Seed**, postpaid—Pkt., 10c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; 2 ozs., 60c.; $\frac{1}{4}$ lb., \$1.00; lb., \$3.00.

New York Improved Large Purple—The leading variety known by marketmen everywhere; fruit large, smooth, deep purple; flesh white, good quality. The stock we offer is fine New Jersey grown. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 85c.; lb., \$3.00.

Early Long Purple—Hardy, early, oblong. Pkt., 5c.; oz., 20c.



Fine Green Curled Endive.

GOURDS.

The Gourd is a tender annual and should not be planted until all danger from frost is over, and not less than six feet apart each way, in open ground, closer if on trellises. The following varieties will be found useful for household purposes, besides being very ornamental and serviceable as climbers.

JAPANESE NEST EGG—Same shape, size and color as a hen's egg, and not affected by cold or wet weather. Pkt., 5c; oz., 30c.

DIPPER—Used for dippers; 9 to 12 inches long, hold from one to four pints; will last for years. Pkt., 5c; oz., 25c.

SUGAR TROUGH—Holds four to ten gallons; hard, thick shell; very light, yet strong and durable; good for buckets, nest boxes, soap and salt dishes, and to protect early set plants on frosty nights. Pkt., 5c; oz., 15c.

BATH SPONGE, or DISH CLOTH—Has sponge-like lining; porous, tough, elastic and durable; two feet long; used as name indicators; vines ornamental. Pkt., 5c; oz., 40c.

HERCULES CLUB—Longest of all; 2 to 6 feet. Pkt., 5c.

ANGORA—Black seeds; white spotted fruit; rapid grower. Pkt., 5c.

LARGE BOTTLE-SHAPED—Beautiful shape and color. Pkt., 5c.

SMALL BOTTLE-SHAPED—Very small. Pkt., 5c.

Lemon, or Orange—Is sometimes called Mock Orange. Pkt., 5c.

Apple—Yellow, striped red. Pkt., 5c. **Gooseberry**—smallest of all. Pkt., 5c.

Corsican—Very beautiful. Pkt., 5c.

Powder Horn—Shaped as name indicates. Pkt., 5c.

Pear-Shaped—Very beautiful; mixed colors. 5c.

Turn-Shaped Green—Has white stripes. Pkt., 5c.

Pear-Shaped Yellow—Has red stripes. Pkt., 5c.



Livingston's Extra Fine Mixture of Gourds.

GOURD COLLECTIONS.

LIVINGSTON'S EXTRA FINE MIXED—Contains all of above ornamental sorts and many others. An endless variety. Pkt., 5c; larger pkt., 10c; oz., 30c.

COLLECTION OF USEFUL SORTS—4 packets for 15c.

COLLECTION OF ORNAMENTAL SORTS—6 packets for 20c.

COLLECTION OF ALL ABOVE (16 Distinct Varieties) ONLY 50 CENTS, and a Packet of our Extra Fine Mixed thrown in FREE

GARLIC.

German—Knoblauch.

French—Ail.

Prepare the ground as for onions; plant bulbs in early spring in drills 12 inches apart, 4 inches in the row, 2 inches deep. **Bulbs**—(Postpaid), oz., 5c; ¼ lb., 15c; lb., 30c. By Express, (not prepaid), lb., 20c; 3 lbs., 50c; 10 lbs., \$1.40.

GHERKINS.

West India Gherkin—True. Also known as **Jerusalem Pickle**. Very small, oval, prickly variety, quite distinct from all others. Grown exclusively for pickling; smallest of all varieties of cucumber; always pick when young and tender. Seed slow to germinate, requiring sometime ten to twelve days. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

HERBS. Herbs in general delight in a rich, mellow soil. Sow seeds early in spring in shallow drills one foot apart; when up a few inches thin out to proper distance or transplant. Care should be taken to harvest them properly; do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack close in bottles or dry boxes to exclude the air entirely. Varieties with an * are perennials.

	Pkt.	5c	10c	25c
Anise	5	10	25	
Balm	5	25		
Bene	5	15		
Borage	5	15		
Cereway	5	10		
Catnip or Catmint	10	40		
Coriander	5	10		
Cumin	5	10		
Dill	5	20		
Fennel	5	10		
Horehound	5	20		
Hysop	5	20		
Lavender	5	25		
Pennyroyal	5	10		
Pot Marigold	5	15		
Rosemary	5	15		
Rue	5	15		
Saffron	5	15		
Summer Savory	5	10		
Sweet Basil	5	15		
Sweet Marjoram	5	15		
Tarragon	5	10		
Thyme	5	20		
Winter Savory	5	20		
Wormwood	5	20		

SAGE.

Sow on rich ground, 5 pounds to an acre, and thin plants to 16 inches apart. Cut young shoots when flowers open and dry in the shade. Use for flavoring. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.25.

Horse Radish.

The best Horse Radish is produced from small pieces of roots 4 or 5 inches in length. These small roots will produce Radish fit for use in one season's growth. Plant the set small in deep, where the plants cut it, so that the top will be two inches under the soil. The soil should be very rich and well cultivated. It is hardy and may be left in the ground until spring before digging. A part of the crop may be pitted late in the fall if desired. A dozen roots will give all that will be needed for family use; as it constantly increases. It is best to plant it in some out-of-the-way corner of the garden. A very profitable crop for market gardeners to grow. By mail (postpaid), 5c each dozen, 25c; 50 for 60c; 100 for 90c. By Express (not paid), 100 for 75c; 300 for \$2.00; 500 for \$3.00; 1000 for \$5.00.

PRICES FOR LARGER QUANTITIES WILL BE GIVEN UPON APPLICATION.

KALE.

German—Blatter Kohl. French—Chou Vert. Spanish—Berton.

Borecole, Kale or German Greens, are general terms applied to those classes of Cabbage which do not form heads, but furnish an abundance of pretty curled leaves

that are very ornamental and highly prized as food. Some of the varieties are the most tender and delicate of the cabbage family, and would be much more extensively grown if their excellent qualities were generally known. Can be grown in almost any soil, but the richer it is the better the product. Sow from the middle of April to the beginning of May like cabbage; transplant and cultivate same as cabbage. They are more hardy than cabbage, and will endure considerable frost without injury.

DWARF GREEN SCOTCH CURLED—Is very dwarf and spreading. The leaves are beautifully curled and of a bright green. Hardy; will remain over winter in any place where the temperature does not fall below zero. A decided improvement upon the old tall Scotch. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 70c.

HALF DWARF MOSS CURLED—A particularly fine variety possessing all the merits of both the tall and dwarf kinds; of compact, bushy growth; the foliage is light green and toward the center yellowish green. The edges of the leaves are so beautifully crimped that it resembles fine curled Parsley and can be used for garnishing. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

SIBERIAN KALE, GERMAN GREENS, or "SPROUTS"—Extensively grown as winter greens; sown in September in rows four feet apart, and treat in every way as Spinach; it is very hardy and is ready for use in early spring. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c.

GERMAN DWARF PURPLE—A dwarf, compact plant composed of a mass of large finely frilled leaves of a deep purple color. Tender and of excellent quality. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

SPECIAL PRICES MADE FOR LARGER QUANTITIES.

KOHL RABI. TURNIP-ROOTED CABBAGE.

German—Kohlrabi. French—Chou Rabe. Spanish—Cabe de Nabo.

When young and tender they are fine for table use; when matured they keep well and are excellent for feeding stock. For early use sow in hot-bed, transplant and cultivate like early cabbage. For winter use sow the middle of June or first of July, in rows 18 inches apart, transplanting or thinning out to 8 inches in the row.

EARLIEST WHITE VIENNA—Smooth, short leaf, excellent for cooking and of fine quality. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

EARLY PURPLE VIENNA—Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.10.



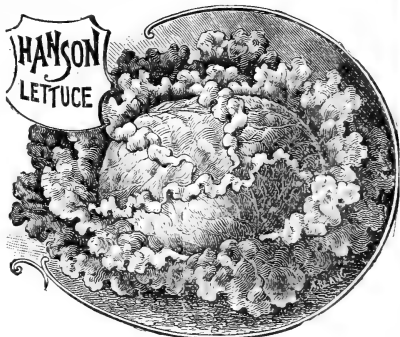
Kohl Rabi.

Lettuce

German—*Lattich Salat.*French—*Laitue.*

The most used of all salads, is of easy culture, requires rich, moist soil, and clean cultivation, on which depends its appearance, tenderness and flavor. For early spring use, sow in a seed bed in September or October, and protect through the winter in cold frames, or in the South with leaves or litter, or sow in a hot-bed in early spring; as soon as the ground can be well worked transplant in good rich ground to rows 18 inches apart and 8 inches in the rows. For a later supply plant every two weeks from the middle of April until July, choosing varieties according to their heat resistance. Sow in drills $\frac{1}{4}$ -inch deep, 18 inches apart, and thin to 12 inches apart in the rows.

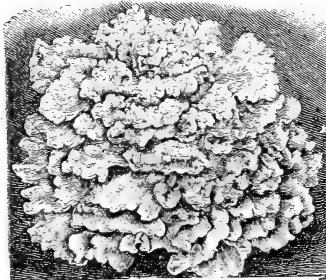
Ounce of seed makes 2,500 plants.



IMPROVED HANSON

None more reliable for outdoor cultivation. Heads grow to a remarkable size, resembling that of a flat cabbage, and so slow to run to seed that it often fails to form a seed stalk. The outer leaves are bright green, the inner leaves white and deliciously sweet, tender and crisp, and free from bitter taste. The stock we offer is the same as sold by us for many years, and we never get any complaints from it. It is unsurpassed and gives entire satisfaction. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

✓ **GRAND RAPIDS**—ESPECIALLY ADAPTED FOR GREENHOUSE CULTURE in winter; also A GOOD LETTUCE to sow outside early for FAMILY USE. It is the result of years' selection from the Black-Seeded Simpson. It is very beautiful in appearance. It is of rapid, upright growth; may be planted close; not liable to rot, standing several days after being ready to cut without injury; retains its freshness a long time after being cut, hence much sought after by dealers, especially shippers; its quality is very desirable. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.10.



Grand Rapids Lettuce.

blanching to white at center. Leaves smooth, thick, brittle, tender and extra fine flavored. Adapted to garden planting. Long standing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.10.

✓ **Golden Yellow Stonehead**—A variety of great beauty. Solid heads. Good for forcing or earliest spring crop. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.

✓ **Blonde Beauty (Sunset)**—Resists heat; is tender, crisp, sweet and juicy when many sorts have become tough and bitter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.

✓ **Mammoth Marblehead**—The largest header of any. Tender and free from any bitterness. Second early. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.

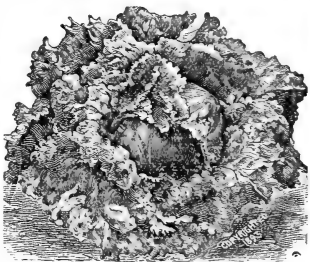
✓ **Silver Ball**—One of the best ALL THE YEAR ROUND Lettuce. Good for early spring, summer or winter forcing; of excellent quality; heads SILVER WHITE, compact, with beautifully curled leaves. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.

✓ **Early White Cabbage, or Phila. Butter**—THIS OLD RELIABLE variety is very tender, has large, solid, greenish-white heads, and stands the heat extremely well. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

✓ **CALIFORNIA CREAM BUTTER**—Grand, good butter Lettuce. Heads of good size, round and solid, outside medium green, within the leaves are a rich creamy-yellow color; rich and buttery in taste. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

✓ CELERY LETTUCE (TRIANON)

The favorite class of Lettuce in Europe is the Cos or blanching varieties, and this variety is the finest of its class. The long, narrow leaves, which form solid heads, almost like a Wakefield Cabbage, bleach and quickly become snowy white. Excels in quality and crispness. The leaves, when blanched are stiff like celery, and can be eaten in the same manner. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb.; 30c.; lb., \$1.00.



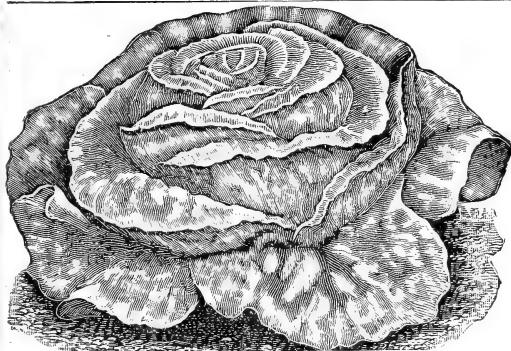
Iceberg Lettuce.

✓ ICEBERG

A BEAUTIFUL LETTUCE WORTHY OF UNIVERSAL CULTIVATION. THE QUALITY IS SIMPLY PERFECT. Large curly leaves of bright, light green, with a very slight reddish tinge at the edges. Heads unusually solid because of the natural tendency of the large, strong leaves to turn in, which, also causes thorough blanching. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.10.

✓ **Black Seeded Simpson (Curled)**—A very popular sort among market gardeners everywhere. Forms a large, loose head. Its nearly white, curly leaves are large, thin, exceedingly tender and of very good quality. Fine for home market. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

✓ **Early Curled Simpson**—Does not head, but forms a compact mass of curly leaves of a yellowish-green. It matures earlier than the firm head sorts, hence is very generally grown in cold frames and as an early outside crop. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



Big Boston Lettuce.

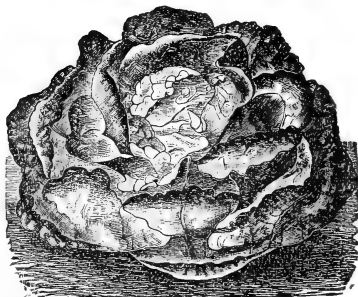
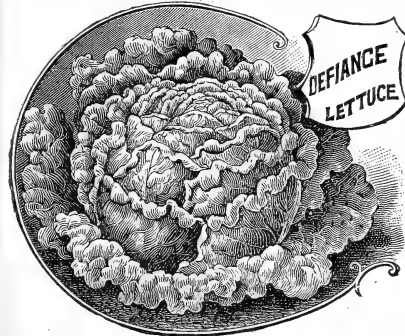
BIG BOSTON.

Resembles the popular Boston Market, but is nearly twice as large. A most desirable variety for forcing in cold frames, and for outdoor planting. It is unsurpassed, as it does well under great variations of temperatures. Our stock is direct from originator. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 35c.; lb., \$1.10.

DEFIANCE SUMMER.

(Perpignan)—Unequalled for long standing, and one of the finest large-growing cabbage varieties. It forms very large solid heads, so firm that they have difficulty in going to seed. The leaves are a beautiful light green. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Amanda Fleming, Licking Co., Ohio—Your seeds are just grand. I had lettuce last summer with heads as large as a gallon crock.



Crisp-as-Ice Lettuce.

"CRISP-AS-ICE."

(INTRODUCED BY US IN 1895). A most beautiful, attractive lettuce of the cabbage type. The heads are solid, of immense size when well grown and so exceedingly tender and brittle as to fully warrant the name, "CRISP-AS-ICE." The glossy leaves are thick, nicely crimped and curled; outside they are beautifully variegated with dark bronze and green. The heads, when cut open, have a rich creamy-yellow heart. An exceedingly superior family and home market lettuce. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

DEACON While this lettuce does not grow so large as some sorts, it has few outside leaves, grows very solid, and has that delicious buttery flavor. The center of heads blanch to a bright yellow shade, and is very crisp and tender, remaining so for a long time even in hot weather. One of the finest heading, summer varieties. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.



Deacon Lettuce.

We can also supply the following well-known Lettuces. PRICE OF EACH, Postpaid—Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Salamander, Curled Silesia, Ferry's Prize Head, Denver Market, Tomhannock,
Boston Market, Oak Leaf, Yellow Seeded Butter, Tilton's White Star,
Buttercup, Tennis Ball, Black and White Seeded.

Leek

Leeks can be cultivated either by sowing early in the spring in a seed bed and transplanted, or by sowing outside. If sown in a seed bed, when about 6 inches high transplant into deep, rich soil, 5 inches apart; plant deeply, close to their leaves, so that the necks may become blanched. A good watering at time of transplanting is very beneficial. If sown outside, sow early in the spring in rows about 18 inches apart; when 4 inches high thin to 4 inches apart. Transplanted plants always produce larger and earlier Leeks.

Broad Scotch, or London Flag—The hardy kind; large, strong plants with broad leaves. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

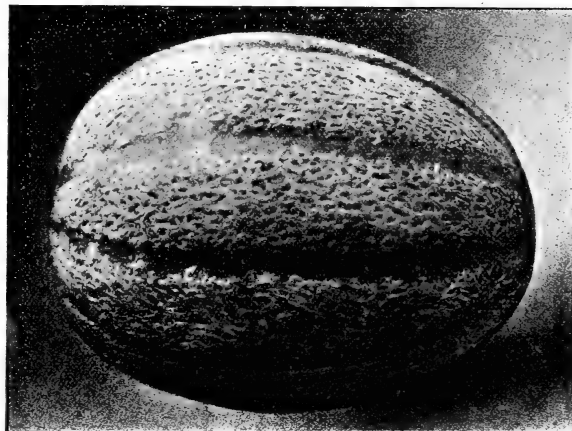
Large Musselberg (Carentan, or Scotch Champion)—A favorite market sort of enormous size; large broad leaves; flavor very mild and pleasant. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.50.

Muskmelon

French—Melon.

German—Melon.

Spanish—Melon.



ROSE GEM LARGER THAN NETTED GEM.

C. F. Stookey, St. Clair Co., Ills.—“The Rose Gem received from you the past two years grows larger than Netted Gem and gives better satisfaction.”

✓EMERALD GEM Medium size; nearly round; flesh a delicate light salmon color, very thick, fine grained, and of most excellent flavor. The rind is thin, dark green, ribbed, but not netted. One of the best for home use. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 85c.

✓LIVINGSTON'S MARKET MELON Many years were spent in perfecting this decidedly distinct and beautiful melon. A most valuable characteristic is its close, strong netting. Its vigorous growth gives it great hardness and ability to withstand drouth, blight and bugs. Its beautiful shape and handsome appearance are remarked upon when placed side by side on the market bench or counter with any of the popular sorts of the day. Ripens only a few days after Early Hackensack, is more prolific, more uniform, bears longer, and the fruit is more solid; seldom bursts at blossom end; flavor and quality are all that can be desired. It is green fleshed; small seed cavity. A valuable sort for a general crop. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 35c.; lb., \$1.25.



Columbus Muskmelon.

The COLUMBUS

A GREEN FLESHED melon for general crops and is a heavy yielder. The vines are strong and thrifty; melons, if left on the vine a week after they are ready to pick, still retain their good quality. Its beautiful buff skin is covered with a very thick whitish netting; almost entirely free from ribs; can be shipped long distances. Pkt. 5c.; oz. 10c.; $\frac{1}{2}$ lb. 25c.; lb. 75c.

A rich, sandy soil is most desirable for melons. Seed should be planted when the ground has become warm, in hills 6 feet apart each way; old well-rotted manure should be thoroughly mixed with the soil in each hill; put 6 to 10 seeds in the hill; finally, when danger from insects is past, leave 3 or 4 of the strongest plants only. If plants grow very rank the tips of the leading shoots should be pinched off when about 3 feet long. Cultivate often and shallow. One ounce of seed will plant 60 hills; 2 to 3 pounds for an acre.

THE CELEBRATED Rose Gem Muskmelon

Named and introduced by us in 1896.

The illustration opposite is a reproduction of a photograph of this Improved Netted Gem Melon. The shape is more oval than the original strain, which gives them additional strength to stand shipping. The size has also been improved without losing a day in earliness. The original Gem, in the past 18 years, has never become as popular as the **ROSE GEM**, which has become famous all over the United States in four years. We regard it the very best and most profitable melon in existence for market gardeners and shippers. The beautiful green flesh is fine grained, “smooth as butter,” and very sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

✓ROCKY FORDS

An Improved Netted Gem Melon with sweet, green flesh. In the hands of Rocky Ford, Col., growers it has made that state famous in eastern markets for melons of unequalled quality. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

PLANTED 10 POUNDS.

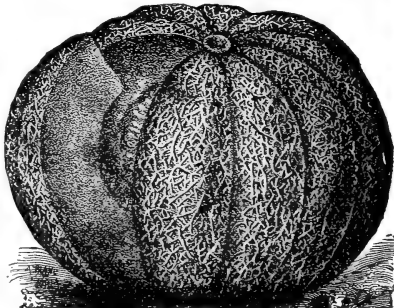
J. W. Day, Miss.—“I planted ten pounds of your Rose Gem and did not find a sport of any kind, and this is saying a good deal.”

WANTS 10 TO 20 POUNDS.

A. J. Wyche, Fla.—“Can you sell me 10 to 20 pounds of your Rose Gem melon? I planted them the past season and found them extra fine.”

✓HACKENSACK (Turk's Cap)—A GENERAL CROP MELON. It is round, well netted, and of large size; flesh green and thick; delicious flavor; beautiful in appearance. Very popular the country over. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 70c.

✓EXTRA EARLY HACKENSACK It produces melons equally as large and with all the good qualities of the well-known Hackensack, but two weeks earlier; heavily netted, and has light-green flesh of delicious flavor. Its shape and solidity admit of its being packed very closely in crates for shipment, and will keep in good condition for several days after picking. Seeds do not shake loose en route, as in many other sorts. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 70c.



Extra Early Hackensack.

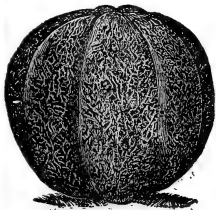


Jenny Lind.

Early Green Flesh Nutmeg—THE OLDEST NUTMEG OF ALL, and one of the very best; highly scented, thick, sweet and finely flavored flesh; of good size and quite early. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 60c.

Montreal Market—THE LARGEST ROUND MELON IN THE WORLD, weighing 15 lbs. and upward, (they have been grown to weigh 39 lbs.) To all who wish to grow the handsomest melon possible for exhibition, or extra large ones for market, we recommend this one. The shape is almost round; deeply ribbed; skin green and densely netted; flesh remarkably thick, light green and of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

Jenny Lind—Fruit small, round-flat in shape; greenish color when ripe; flesh dark green and very sweet: enormous cropper. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.



Kinsman Queen Muskmelon.

as large as the 'Emerald Gem.' It is among the first to ripen, and is very large in size for an early melon. Nearly round in shape. Skin, yellowish-green, slightly ribbed and netted; flesh deep salmon color, juicy and delicious. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

Baltimore Nutmeg—Cantaloupe.—(ORIGINATOR'S STOCK.)—Has a beautiful, heavily netted green skin; good size, in shape a desirable and distinct oval, and slightly ribbed; flesh thick, green, very finely flavored, smooth and sweet; very productive, and NEVER BURSTS OPEN AT BLOSSOM END. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 20c.; lb., 65c.



Banana.

Banana Melon—Very odd, 18 to 24 inches long. Yellow flesh, blending from bright green to rich salmon. Early. Fragrant and delicious. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., 85c.

THE OSAGE—A favorite yellow fleshed variety. Large, oval, slightly ribbed and netted; SKIN VERY DARK GREEN; flesh a deep, rich, salmon, sweet, highly flavored and delicious to the rind. The whole crop is very even and fruit extra heavy, owing to the thickness of the meat. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 85c.

CHAMPION MARKET—Fruit large, round or oval, with shallow depressions and covered with dense netting. Flesh green, very thick and sweet. This variety will suit those who like a large, sweet, green fleshed sort. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

JERSEY BELLE—A variety of the JENNY LIND type, two or three times larger, but not so early. Fruits flattened, heavily ribbed and netted; regular in form and size; of superior flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

A. W. Loudonback, Ohio—"I have been gardening for over 20 years, have tried a great many different seed, but yours gives perfect satisfaction. Your tomatoes exceed all others. I gladly recommend your seeds to neighbors and friends.

LIST OF GOOD STANDARD MUSKMELONS.

The following good varieties will be furnished at the uniform price of 5 Cents per packet, 10 Cents per ounce, 25 Cents per $\frac{1}{4}$ pound, and 75 Cents per pound. Deduct 10 cents per pound from these prices if seeds are ordered sent by express or freight, at buyer's expense.

Giant Chicago Market—This fine sweet melon is very large; deep ribbed; green flesh. Largely grown for Chicago market.

Perfection (Princess)—Medium size. Dark green skin, heavily netted; flesh a rich orange color; very sweet.

Large Green Nutmeg—Large. Round. Green fleshed. Fine flavor.

Bay View—The leading oblong green fleshed melon. Ready seller.

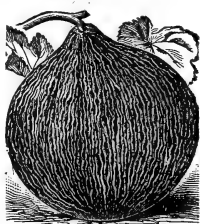
Miller's Cream—Flesh a rich salmon; very sweet and melting.

Banquet—Medium size; flat at both ends; netted. Flesh rich salmon.

Cassaba—Large oblong, like Bay View, but more pointed.

Surprise—Shape nearly round; thin, creamy colored skin; flesh thick, salmon color; good size; early.

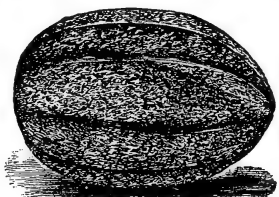
Reedland Giant—Mammoth size, often reaching 25 lbs.; oblong in shape; flesh green.



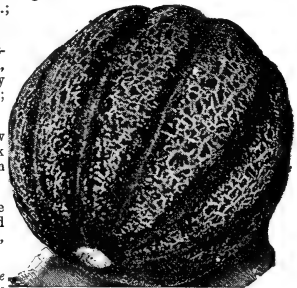
Winter Pineapple.

Winter Pineapple Melon.

Introduced into California from Cassaba, Asia Minor, by one of our customers. Its peculiar shape and corrugated skin is quite accurately shown in the cut. Rind very thin, of a rich yellow color tinged with green. Flesh firm, light green in color; delicious pineapple flavor. A wonderful long keeper. Melons seldom ripen on the vine but should be carefully picked off after first frost and stored like squashes in a dry, cool place. Bring into a warm room a few days previous to using. If carefully handled they may be kept late in the winter. Many specimens weigh from 15 to 16 lbs. HEADQUARTERS SEED STRICTLY FIRST-CLASS. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.



Improved Acme or Baltimore Nutmeg.



Osage Muskmelon.

Watermelon

German—*Wasser Melon*. French—*Melon d' Eau*. Spanish—*Sandia*.

A light, sandy soil, with good exposure to the sun, is the best for watermelons. It should be prepared deep, but receive shallow cultivation. Hoe often and thoroughly. If extra large melons are desired for exhibition purposes leave but one or two melons on a vine. Plant in hills 8 to 10 feet apart each way, with a shovelful of well-rotted manure mixed with the soil in each hill. If commercial fertilizer is used it should contain a large percentage of ammonia and potash. Plant 8 or 10 seeds in each hill, and, finally, when danger from insects is past, leave but three strong plants.

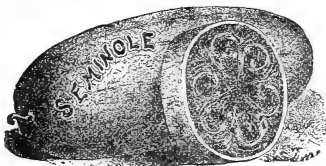
One ounce of seed for 30 hills; 1 or 2 pounds to the acre.

Livingston's Nabob Watermelon

A DISTINCT AND BEAUTIFUL MELON. NAMED AND INTRODUCED BY US IN 1895.

THE BEST FOR THE HOME GARDEN.
FOR THE MARKET GARDEN.
FOR THE SHIPPING TRADE.

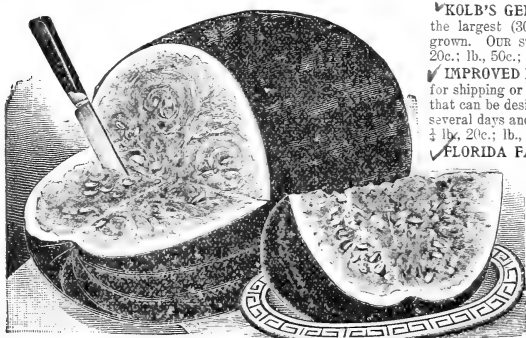
Its hardy vines are vigorous, healthy and productive, its fruit large and heavy (30 to 50 lbs.) resembles the Kolb Gem in shape and uniformity, but differing in color, being attractively and peculiarly mottled, rather than distinctly striped. The rind, though thin, is very firm. Two average-sized men have stood, bearing their weight, on a NABOB weighing 30 lbs., without cracking the rind or injuring the melon. The fruit keeps long in good condition, is not excelled in shipping qualities; seeds dark buff or dun color; flesh deepest scarlet, firm, solid, and of richest flavor. We have had it thoroughly tested on different soils, in various climates, and under unfavorable as well as favorable conditions, and all praise its good qualities. Pkt., 5c.; oz., 10c.; 2 ozs., 15c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.; 3 lbs., \$2.00, postpaid.



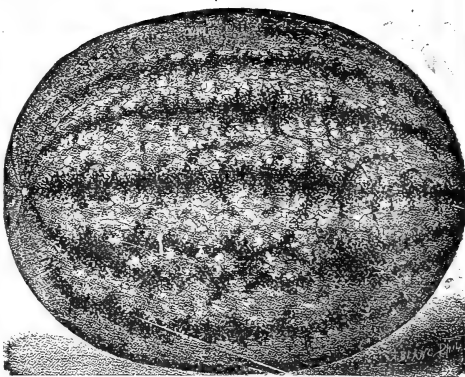
✓ **SEMINOLE**—One of the best large, long Florida melons. EARLY, ENORMOUSLY PRODUCTIVE AND OF MOST DELICIOUS FLAVOR. It is of two distinct colors—gray and light green. Melons of both colors, the same in size, shape, color of seed, flavor, etc., are found on the same vine. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

✓ **FORDHOOK EARLY**—Largest early melon grown. Fruit round; outer color medium green. Flesh bright red, of fine quality. A good shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

✓ **MAMMOTH IRONCLAD**—Immense size, handsomely marked, and oblong in shape; flesh red and very solid; the heart is large, and flavor delicious. A heavy yielder. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

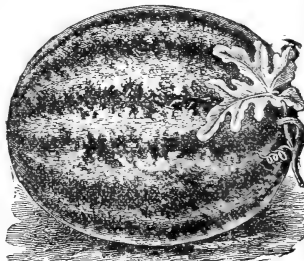


Jumbo Watermelon.



✓ **PHINNEY'S EARLY**—It is first to ripen, of good size and productive; shape oblong; rind a distinct mottled color; the flesh is a deep red. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

✓ **COLE'S EARLY**—Very hardy, a sure cropper; extremely delicate in texture of flesh, which is a dark red; rind thin, very brittle. Good for home use. Medium size, nearly round; rind green, striped with lighter shades. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.



Kolb's Gem.

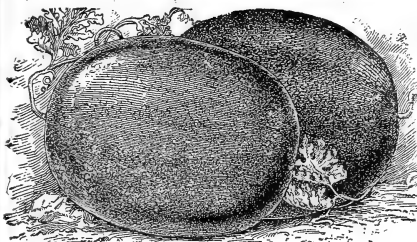
✓ **KOLB'S GEM**—Flesh bright red and of good flavor. It is one of the largest (30 to 50 lbs.), most productive and best keeping melons grown. OUR STOCK CANNOT BE SURPASSED. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.; 3 lbs. for \$1.25, postpaid.

✓ **IMPROVED DIXIE**—Beautifully striped, is surpassed by few, if any, for shipping or for table, the flesh being very red, sweet and juicy; all that can be desired in quality, flavor, etc. Will hold after it is ripe for several days and still retain its excellent qualities. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

✓ **FLORIDA FAVORITE**—A splendid oblong melon; ten days earlier than Kolb's Gem; red flesh, of finest flavor and quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.; 3 lbs., \$1.50.

✓ **MCIVER WONDERFUL SUGAR**—A large, oblong melon of handsome appearance; skin shows broad bands of white, with narrower ones of green. Its soft pink flesh is crisp, juicy, very sweet and solid to the center. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

✓ **JUMBO**—From Georgia, the home of the Watermelon. Color of the skin is solid dark green, flesh a very bright red, particularly sweet, juicy and melting. It grows to a large size, sometimes 80 lbs., with plenty of them at 40 to 60 pounds. One of the best shipping sorts. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.



TRUE ICE CREAM WATERMELON....

THE GREAT HOME MARKET MELON.

This old stand-by is our best general cropper for the home market; has too thin a rind for shipping unless packed in straw. We have sold it for many years to our most extensive Scioto Valley melon growers, for whom it brings highest prices, and meets with ready sale regardless of other varieties that may be on market, because it has become a great favorite with Columbus melon dealers and consumers. Few, if any, surpass a True Ice Cream for quality and productiveness. Of good size, medium early, fruit oblong, rind light mottled green; flesh bright scarlet, solid to the center, melting and delicious. Seeds white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.; 3 lbs. for \$1.65.

HOOSIER KING—Melons grow oblong. Flesh brilliant red, very solid, sweet and luscious. Skin striped light and dark green; rind very thin but EXTREMELY HARD, making it a VALUABLE SHIPPING SORT. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.

Cuban Queen—This is a large variety, often weighing 80 lbs. and upward; striped light and dark green; an enormous cropper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 50c.

Jordan's Gray Monarch—Very large; mottled gray; long; flesh bright crimson. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.

Pride of Georgia—Dark green; oval; a good shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.

The Boss—Oblong; nearly the same diameter throughout; skin a black green; flesh deep scarlet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.

Black Spanish—Large round, very sweet, scarlet flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.

GREEN AND GOLD—Golden-orange flesh variety of good size (25 to 30 lbs.); early; productive; flesh juicy, very sweet and of delicious flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.

THE JONES—Outside color, solid green. Flesh bright red, sweet, juicy and melting. Large size; resembles Kolb's Gem in shape, and splendid shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.

RUBY GOLD—A new, large, long melon; flesh solid, pure golden-yellow, variegated with streaks and layers of bright pink. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.

SWEET HEART WATERMELON

This melon is early, large, handsome, heavy and productive. Shape is oval; color mottled light to very dark green. Flesh bright red, solid, tender and very sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 55c.

Ferry's Peerless—One of the best for home gardens and market gardeners who deliver direct to customers. Medium size, flesh red, white seed; first-class. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 50c.

Preserving Citron—Red seed; used for sweetmeats and preserves; flesh solid, white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.

Colorado Preserving—Larger than the common Citron, weighing 25 to 40 lbs.; flesh very solid; makes very clear, transparent preserves of fine flavor. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.

Mountain Sweet—One of the oldest and best known; skin deep green; large; rind thin; flesh deep scarlet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 50c.

Georgia Rattlesnake or Gypsy—Very large, long, smooth and distinctly striped; flesh bright scarlet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.

Dark Icing—Very solid; thin rind; highly prized as a shipper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 50c.

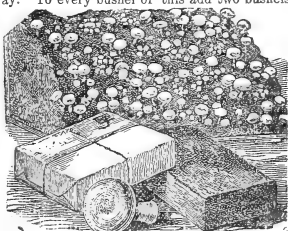
Mushrooms

of fresh horse manure. Of this well mixed compound prepare a bed, say 4 feet wide. Put down a thin layer and pound it down hard, and so on until the bed is 12 to 18 inches thick. It soon becomes pretty hot, but let the heat recede until it is only 85 or 90 degrees. Then make holes, say a foot apart, and put in the spawn, two or three pieces as large as a walnut to each hole. Cover the holes and press the soil solid and smooth. Let the bed remain in this condition about 12 days; then cover the bed with two inches of fresh loam, and over this put 4 or 5 inches of hay or straw, and the work is done. If the temperature is right, in 6 or 8 weeks you may expect Mushrooms. The beds will continue bearing from 20 to 30 days. After the first crop is gathered, spread over the bed an inch of fresh soil moistened with warm water, and cover with hay as before. The main conditions in Mushroom growing are proper and uniform temperature and very rich soil. One pound of spawn is sufficient for a bed 2 x 6 feet. We import our Spawn from the best makers in England.

We would advise Mushroom Growers, especially beginners, to get a book on the subject written in full by an experienced grower, such as "Falconer's Mushrooms and How to Grow Them." This book will be sent by us for \$1.50, postpaid.

English Mushroom Spawn—By mail, postpaid, per Brick, 30c.; 6 lbs., \$1.25. By Express, at buyer's expense, 10 lbs., \$1.00; 25 lbs., \$2.40; 50 lbs. at 9c. per lb.; 100 lbs. or over at 8c. per lb.

French Mushroom Spawn—Put up in boxes of 2 pounds each. Price, per Box, 75c.; by mail, \$1.00.



MUSTARD

German—Senf.
French—Moutarde.
Spanish—Mostaza.

Mustard is not only used as a condiment, but the green leaves are used as a salad or cut and boiled like Spinach. Cultivate same as Cress.

SOUTHERN GIANT CURLED—Very highly esteemed in the South, where the seed is sown in the fall and plants used very early in spring as a salad. Seed, brown. Produces plants two feet high; forms enormous bunches. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; $\frac{1}{2}$ lb., 60c.

WHITE ENGLISH—Leaves light green, mild and tender when young; seed, light yellow. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; $\frac{1}{2}$ lb., 35c.

BROWN or BLACK MUSTARD—More pungent in flavor than the White. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; $\frac{1}{2}$ lb., 40c.

NEW CHINESE—A giant curled variety with leaves double the size of the ordinary. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; $\frac{1}{2}$ lb., 75c.

MARTYNIA

A hardy annual plant, the seed pods of which, if picked when green and tender, make excellent pickles. Plant in May in the open ground, about 3 feet apart each way, leaving but one plant in the hill.

PROBOSCIDEA—Pkt., 5c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; $\frac{1}{2}$ lb., \$2.50.

H. E. Balthasar, Ohio, Feb. 20, 1900.—"Your seeds are all O. K. They come well and grow from the start. I find them just as represented. We have been using your seeds for several years and find them No. 1. They are the best we have ever tried."

Chas. Edwards, Ohio, April 2, 1900.—"The Dark Icing Watermelon seed that I received from you last season proved to be the best watermelon we grew; I sold them in three counties, and they weighed from 50 to 60 lbs. each."

LIVINGSTON'S SUPERIOR

ONION SEED

—WE TAKE PRIDE IN THE RECORD OF OUR FINE STRAINS OF ONION SEED.—

Having grown Onions for many years, for market as well as for seed purposes, we are in position to fully appreciate the necessity there is for using great care in the selection of the bulbs for seed production. There is no crop which depends more upon the quality of the seed. The seed we offer, we are sure, is not surpassed anywhere, and is thoroughly tested for vitality before it is sent out, so that it is **sure to grow**, where soil and season are favorable, and sure to produce an abundance of well-shaped bulbs, free from scallions or stiff-necks. Our aim is to always sell at reasonable prices and as low as any in the trade offering strictly first-class seed.

FREE TO CUSTOMERS. 10c. to others.

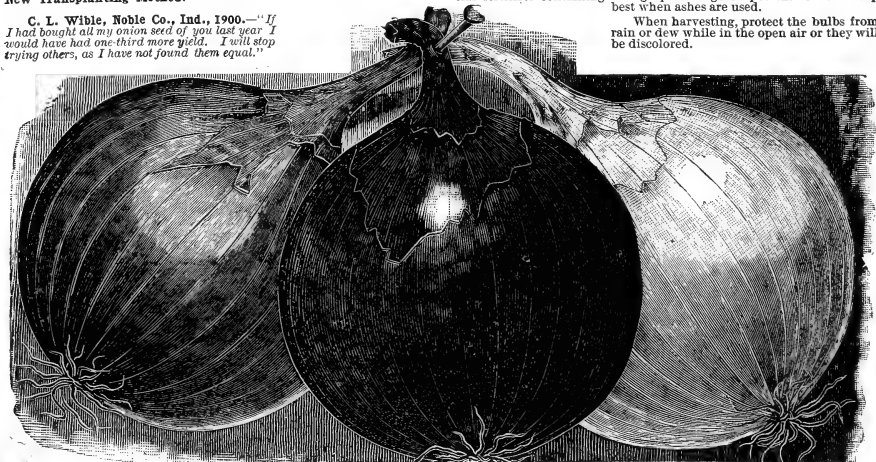
On application we will send full and complete instructions "HOW TO GROW ONIONS" both by the ordinary method as well as by the New Transplanting Method.

C. L. Wible, Noble Co., Ind., 1900.—"If I had bought all my onion seed of you last year I would have had one-third more yield. I will stop trying others, as I have not found them equal."

CULTURE. Onion Seed should be sown as soon as possible in the spring, even if the weather is cold, so the soil works up well. This gives them a good start ahead of the weeds, and before dry weather sets in. After thoroughly pulverizing the soil, sow thinly, 4 to 5 pounds to the acre, in drills one foot apart and about ¼-inch deep, in strong land, well manured. When well started, say four inches high, thin out to stand three or four inches apart in the drills, keeping them well hoed and free from weeds.

Onions delight in rich, deep, sandy loam, and succeed well if grown for a succession of years on the same ground. Deep plowing prevents blight. To get **heavy crops of finest shape and high colored bulbs**, especially Danvers and other Globes, large quantities of well-rotted manure must be used—15 to 20 cords per acre would be none too much. If well-rotted manure is not to be had, use high grade commercial fertilizer containing a large percentage of potash. Onions keep best when ashes are used.

When harvesting, protect the bulbs from rain or dew while in the open air or they will be discolored.



Large Yellow Globe.

Large Red Globe.

Large White Globe.

LARGE YELLOW GLOBE (Southport)—very large; skin a fine deep yellow color; keeps well; Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; lb., \$1.25.

LARGE RED GLOBE (Southport)—Our strain of Red Globe Onion is carefully selected to the large, almost globular, small necked type, being distinct from the ordinary Red Globes sold today. The skin is a deep purplish-crimson; good keeper, and ripens quite early. It is a very showy market onion. Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; lb., \$1.25.

LARGE RED WETHERSFIELD FOR GENERAL PURPOSES. The country over, no red variety is so largely grown. Large sized, somewhat flattened; skin deep purplish red. One of the best keepers. We have grown it on various soils for nearly 40 years and cannot recommend it too highly as a general cropper and a variety that will do well anywhere that large onions can be grown. Yields enormous crops when the condition runs favorable. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

EXTRA EARLY FLAT RED—Good medium sized variety, very uniform in shape; smaller than Red Wethersfield, but two weeks earlier; an abundant producer; good keeper; very desirable for early market. Pkt., 5c.; oz., 10c.; ¼ lb., 35c.; lb., \$1.10.

AUSTRALIAN BROWN ONION—A valuable early variety of medium size, hard and solid, attractive for market, both as to form and appearance. Never makes any stiff-necks or scallions. It has the reputation of keeping indefinitely. Color of the skin is a clear amber-brown. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; ¼ lb., 40c.; lb., \$1.20.

LARGE WHITE GLOBE By careful selection we have developed this handsomest of all white varieties until it is second to none as a good keeper. Produces handsome, large, pure white globe-shaped bulbs; flesh firm, fine grained, mild flavor. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

WHITE PORTUGAL OR SILVERSKIN large size, mild flavor; excellent for winter; much esteemed for pickling when small; a handsome big onion. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.00.

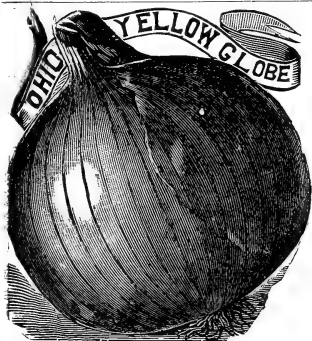
PHILADELPHIA WHITE SILVERSKIN—A good sized white, and grows a most beautiful, firm, round, pearly white set. Extensively grown. Pkt., 5c.; oz., 20c.; ¼ lb., 60c.; lb., \$2.25.

SELECT YELLOW DANVERS GLOBE Grown extensively as a main crop. A beautiful golden color; medium size, quite early; bottom nearly flat, oval top, small neck; very prolific; first-class keeper and shipper. The strain we offer can be excelled only by our Ohio Yellow Globe. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.

YELLOW DANVERS FLAT A splendid onion for either market or home use; flatter than Globe Danvers. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c.

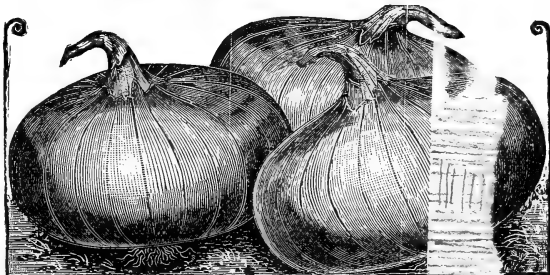
LARGE YELLOW DUTCH The well-known flat, bright yellow onion; a good keeper; larger than Danvers. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., 90c.

PHILADELPHIA YELLOW STRASBURG—A splendid yellow variety of fair size; the best yellow for growing a bright, round, plump set. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., \$1.00.



For IMPROVED LARGE YELLOW GLOBE ONION

SEE NOVELTY PAGES IN FRONT PART OF THIS CATALOGUE.



New Brown Beauty Onion.

OHIO YELLOW GLOBE.

LIVINGSTON'S EXTRA SELECTED STOCK.

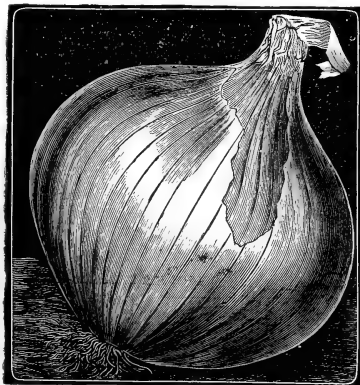
Generally admitted by seedmen and onion growers everywhere to be the most desirable strain of PERFECT TYPE GLOBE-SHAPED ONIONS in existence. We name it "OHIO GLOBE" to designate it from the many strains of Globe Danvers now offered; besides to Ohio growers the honor of producing, by many years of painstaking care, selection and cultivation, this, THE FINEST STRAIN OF THAT EXTREME TYPE OF GLOBE now so eagerly sought after by all the best growers, and so deservedly popular in all large onion markets. Its main points of excellence are: **Distinct and attractive shape, handsome, bright, even color; ripens early and all at once; necks very small, and cures down to almost nothing.** The firm, solid bulbs are excellent winter keepers, and all that can be desired in size and quality; **enormous yielders**—800 bushels (standard weight) per acre are frequently grown on rich onion land. This is a superb onion for all classes of soil (well enriched) and especially good for muck lands on account of its quick maturing qualities. Pkt., 5c.; oz., 15c.; 2 ozs., 25c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.

R. J. Dollinger, 1901.—"The Ohio Yellow Globe Onion seed I bought of you last spring produced bulbs that were perfect in every respect. Never had any that kept so well; in screening about 300 bushels did not lose a bushel."

G. F. Joslin, N. Y.—"The Ohio Globe, sown right along side of other onions, yielded double with much less care, and I think they are ahead of most onions. I raised the largest and smoothest onions this year I ever raised, selling them for a higher price than others."

John W. Henrie, Clay Co., Mo.—"The Ohio Globe Onion seed I bought of you has proved to be the best I ever raised onions from."

Peter Mattimore, Mass.—"Nothing to compare with Ohio Yellow Globe."



Mammoth Prize-Taker Onion.

NEW BROWN BEAUTY ONION

For over 30 years the Market Gardener's Favorite Columbus Market. Introduced by us for

For winter and early spring it is **HARD-TO-REPLACE** and solid; keeps anywhere in good shape until late spring when it is **NEEDLESS** to say that variety, would be frozen or growing, or worthless. A flat variety, of good size; cures down early and perfectly dark brown; fresh white and of desirable flavor. Being so good for putting out early for green bunch onions. Set for keeping qualities. Pkt., 10c.; oz., 20c.; $\frac{1}{4}$ lb., 65c.; lb., \$2.25.

A FEW QUOTATIONS TAKEN FROM REPORTS OF CUSTOMERS.

"It is a dandy." "Very pleasant flavor." "Ripened Aug. 10th, keeping nicely; a fine one." "Without exception the very finest I have ever grown." "Very firm; good keeper." "Eating qualities fine; best I ever raised." "The favorite of all."

L. B. Demuth, Ohio, 1900.—"The Brown Beauty Onion seeds that I got of you are better for growing sets than either Yellow Dutch or Danvers."

OUR ONION SEED,
"TRUE BLUE."



J. A. H. Crytzer, Armstrong County, Penn., 1900. "We have splendid success with your Prize-Taker Onion each year. We have had many 16 to 17 inches around."

MAMMOTH SILVER KING.

Of attractive shape, with silver-white skin, and flesh of a most agreeable, mild flavor. It matures quite early and reaches a much larger size than any other of the flat varieties, frequently measuring 20 inches in circumference, and weighing from 3 to 5 pounds when well grown. **MUST BE SOWN THINLY** to produce large onions. We do not hesitate to recommend it as **ONE SURE TO PLEASE.** TRUE AMERICAN GROWN SEED. Pkt., 5c.; oz., 20c.; 2 ozs., 35c.; $\frac{1}{4}$ lb., 60c.; lb., \$2.00.

MAMMOTH PRIZE-TAKER.

This is the large, beautiful Spanish variety sold in the fruit stores and markets of all large cities. **ENORMOUS SIZE**, averaging 14 to 16 inches in circumference. Although of such great size, it is very hardy and a good winter keeper. Outside skin is rich yellow, while the flesh is white, sweet and tender. They bottom well, are free from stiff-necks, and have produced more bushels of marketable onions to the acre than any other variety in America. In market they attract attention, sell readily at advanced prices. TRUE AMERICAN GROWN SEED. Pkt., 5c.; oz., 20c.; 2 ozs., 30c.; $\frac{1}{4}$ lb., 45c.; lb., \$1.50.

Spanish and Italian Onions

The following varieties have been tested in all sections of the United States and have given good satisfaction. We recommend them as very desirable for summer and autumn markets, because they generally command ready sales at



Pickled Barlettas.

autumn, and large onions gathered in March. Pkt., 5c; oz., 20c; 1 lb., 60c; 1 lb., \$1.75.

✓ **RED VIKTORIA**—Has a distinct oval shape; can be grown to weight 2 to 4 lbs. Skin dark red, flesh white or rose-colored, mild and sweet. A good keeper. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50.

AMERICAN or BLOOMSDALE EXTRA EARLY PEARL

A very fine and very early variety. Bulbs, when well grown, are large, round, flattened, with a delicate pure white skin; flesh very white in color. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.

WHITE QUEEN

A pure white, small flat onion, 1 to 2 lbs. in diameter. Sown in early spring will ripen in July. Very mild flavored; excellent for pickling. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.10.

✓ **GIANT ROCCA**—Light brown skin, globular in form, flesh tender and mild. It will produce an immense onion from seed the first season. To attain the largest growth the smallest bulbs should be set out the next spring, when they will continue increasing in size instead of producing seed. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.50.

✓ **MAMMOTH POMPEI**—Red Garganus, Copper King—A very fine variety. It has produced onions weighing 4 or 5 pounds each. The skin is a delicate red, flesh close grained and nearly white, and of very mild flavor. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.00.

SPANISH KING

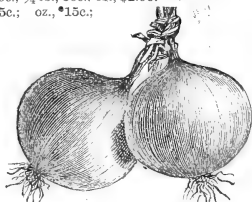
Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75.

WHITE VICTORIA

A beautiful, large, round variety with silver-white skin, but sometimes of a delicate light rose-color; flesh juicy, sweet and milky white; good keeper. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.75.

ROUND WHITE SILVERSKIN

The Best Pickling Onion ever introduced—uniformly small round and handsome, with opaque white skin, which does not turn green upon exposure to the sun. They are compact and hard, but at the same time crisp and brittle. Not suitable for sets. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75.



Round White Silverskin.

Bermuda Island Onions.

✓ **BERMUDA ISLAND RED**—Genuine, imported direct from Tennessee—A very early pale red onion, grown extensively in the Bermuda Islands and the northern parts of the United States for early shipping to northern markets. Grown in our climate, the bulbs are smaller, but mature early and retain much of the mild sweet flavor of the imported ones. Pkt., 5c; oz., 20c; ¼ lb., 60c; 1 lb., \$2.10.

✓ **BERMUDA ISLAND WHITE**—Mild flavored; white in color; otherwise same as the Red. Pkt., 5c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.40.

LIVINGSTON'S

BOTTOM SETS

are produced by sowing the seed very thickly (40 to 60 pounds to the acre) as early as the ground can be worked in the spring, in beds or broad drills, and not thinning out. About the middle of July, or whenever the tops die down, usually when about half an inch in diameter, they are pulled and allowed to remain on the ground a day or two, when the tops should be wrung off by hand, put into shallow trays or spread thinly in a loft. Keep dry and cool. Sets should be planted out as early in the spring as the ground is dry enough to work, in rows one foot apart, with sets two inches apart; the onions can be used in the green state in June and will ripen in July.



✓ **TOP SETS or BUTTONS**—"Toppys"—These produce the small clusters on the top of the stem, where seed is produced in the common kinds. These small ones are planted in the spring and the result is large onions, and these large ones, with one year's growth, produce the clusters on top.

✓ **WINTER EGYPTIAN, or PERENNIAL TREE**—When once set out it grows without protection or care, except in keeping down the weeds. It starts so early in the spring that it is ready for use a long time before any other onions can be had. It is mild flavored, sweet and tender. They form no large bulbs, but divide and grow as many as 15 or 20 small ones in a bunch. Desirable for family use, and very profitable for market gardeners.

✓ **POTATO ONIONS**—Esteemed by many as the best for early use; large size, mild, sweet flavored, very early, and large producers; the small bulbs are planted in the spring and increase in size, and the parent bulb, planted in the fall and spring, produce a quantity of small bulbs in a cluster, growing mostly on the top of the ground.

✓ **WHITE MULTIPLIERS** are a pure silver-white color, enormously productive, frequently producing 20 bulbs in a single cluster from a single bulb planted; of excellent quality and size for bunching green; or can be ripened for use as pickling onions. Their keeping qualities are remarkable, but their most important quality is extreme earliness, being ready for market three or four weeks ahead of Seed Onion Sets.

ONION SET PRICES.

Prices are based at the present market rates and are subject to change, according to the market, without notice. The market fluctuates very much, hence we do not care to make a fixed price. Lowest market prices on large or small quantities will be given on application of any time. At bushel, peck and half-peck prices the buyer pays the Express or freight; at pint and quart prices we pay the postage.

	Pint.	Quart.	½-Peck.	Peck.	Bush.
White Bottom Sets.....	15	25	50	\$ 90	\$3.50
Yellow Bottom Sets.....	15	30	50	\$ 80	\$3.00
Red Bottom Sets.....	15	25	50	\$ 90	\$3.25
Top Sets, or Buttons.....	15	25	55	1.00	3.75
Egyptian Winter Sets.....	15	25	50	\$ 80	\$3.50
Potato Onions.....	20	35	75	1.25	4.00
White Multiplier.....	20	35	75	1.25	4.50

Bottom Sets and Potato Onions are sold by weight, 32 lbs. per bushel. White Multiplier, Button and Egyptian, 25 lbs. per bushel.

If you want larger lots than quoted above, write us, and we will make LOWEST MARKET PRICE at the time, for choice stock. We handle Sets in large quantities.

OKRA, or GUMBO.

One of the most wholesome vegetables of the South. The pods, when young, make a fine soup of themselves, or with other ingredients; and when pickled are a fine salad. Plant seed after the ground is warm, thickly, in drills 3 feet apart, thinning to 1 foot. Make early and late sowing to secure supply throughout the season. It is capable to grow in any good garden soil.

✓ **WHITE VELVET**—Decidedly the best variety. Distinct in appearance; unlike other varieties, pods are not ridged, but perfectly round, smooth, and attractive white velvety appearance; of superior flavor and tenderness. Comparative dwarf, of compact, branching growth; the extra large pods are produced in great abundance. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c.



White Velvet Okra.

Peppers

German—Pfeffer. French—Piment. Spanish—Pimiento.

Peppers should be started in a hot-bed or cold frame and transplanted about the close of May in a sunny location, in rows about two feet apart each way. May also be sown in the open ground when all danger of frost is passed, and the weather has become settled and the soil warm, and transplanted as above, when the plants are three or four inches high. Some very rich fertilizer stirred into the soil when the plants are about six inches high will be found very beneficial to the crop. One ounce of seed for 1,000 Plants.

MAMMOTH RUBY KING

Entitled to head the list. Of immense size and the mildest of all varieties. Ordinarily they grow four to six inches long, by three or four inches thick. When ripe they are of a beautiful, bright RUBY RED color, and are always remarkably mild or pleasant to taste. They can even be sliced and eaten with pepper and vinegar (like tomatoes or cucumbers), and make a very pleasant and appetizing salad. The plant is of sturdy, bushy habit, and each plant produces from 6 to 12 handsome fruits. They should not be grown near hot varieties or they will partake of their fiery nature. Choice Seed—Pkts. 5 and 10 cts. each; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

✓ **Giant Yellow King Mango**—New Golden Pepper, an exact counterpart, except in color, of the famous Ruby King Pepper, which has so steadily gained in popular favor the past ten years. The beautiful healthy plants bear large, handsome fruits, of the most attractive, bright yellow. The flavor is unsurpassed, exquisitely mild and pleasant. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.75.

✓ **New Fancy Wrinkled**—Excites admiration on account of their distinct and peculiar form and various colored fruits, deep orange, vivid scarlet, lemon yellow; a profuse bearer, flavor sharp. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.



Mammoth Ruby King Pepper.



Cardinal Pepper.

✓ **Golden Queen**—This is a very beautiful, large variety. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.75.

✓ **Orange Mammoth Sweet**—A very large yellow sort of the shape, mild and excellent for mangoes. Pkt., 10c.; ½ oz., 20c.; oz., 35c.; ¼ lb., \$1.00.

✓ **Golden Dawn**—Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.25.

✓ **Broccoli's Giant**—This new variety is the "Goliath" of the pepper family. They grow uniformly to a very large size, of brilliant scarlet color, and in flavor just hot enough to be pleasant. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.

✓ **Large Bell, or Bull's Nose**—An early variety of mild flavor; rim thick and fleshy. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.25.

✓ **Large Sweet Mountain**—Very large and excellent for mangoes. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.25.

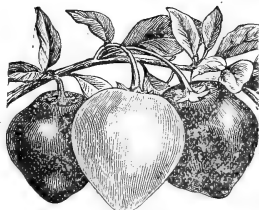
CARDINAL

A new pepper with long, curved tapering pods, about two inches thick at the stem end; very sweet and tender, and exceedingly handsome. Nothing equals it in depth, purity and brilliancy of color. It is worthy of cultivation for its beauty alone. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 65c.; lb., \$2.25.

NEW CHINESE GIANT PEPPER.

An exceptionally fine, large, bright red variety. See Novelty Pages for full description and prices.

✓ **Kaleidoscope**—A novel and beautiful pepper. At first they are of a light yellowish cream color. When fully grown they commence to change color, first to a lovely canary yellow, then to a deep orange, then to a rose, or pink, and so on through different shades until they are an intense scarlet; a plant bearing hundreds of peppers showing six or eight distinct colors, is an object of great beauty. Its flavor is clear and sharp. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.



Kaleidoscope Pepper.

✓ **Sweet Spanish**—One of the largest and earliest varieties; flesh is sweet and mild. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

✓ **Squash, or Tomato Shape**—Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.

✓ **Celestial**—A most useful Pepper and one of the most beautiful plants in existence. The pods are upright, conical in shape, and of a delicate creamy yellow, and when fully grown change to vivid scarlet. Peppers two to three inches long, sharp flavor and superior for any of the uses to which peppers can be put. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

✓ **Cerry Red**—Fruit small, round, color rich scarlet; very hot. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

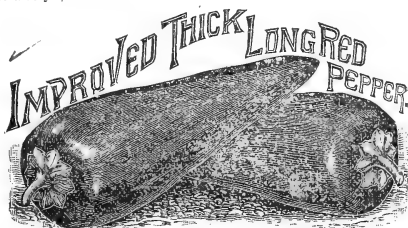
✓ **Red Chili**—For making Pepper Sauce, "hot as fire," small and prolific. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

✓ **Coral Gem Bouquet**—Its beautiful little pods of shining red are so thickly set as to give it the appearance of a bouquet of corals. A splendid sort for making pepper sauce, and makes a ready selling plant when grown in pots. Pkt., 5c.; ½ oz., 20c.; oz., 35c.; ¼ lb., \$1.00.

✓ **Cayenne**—Small; pungent; used more than any other for making pepper sauce. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.50.

✓ **Long Red**—Four inches long and an inch or more in diameter; flesh thick and pungent. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.25.

✓ **Red Cluster**—Its distinct and brilliant scarlet fruit is curiously crowded together in bunches or clusters at the top of each branch. A single plant bears hundreds of handsome, hot peppers. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 75c.



This variety is a very great improvement on the ordinary Long Red Cayenne. It is of about the same length, but is much thicker, and has 2 or three times as much meat, averaging about 1 inch in diameter at the stem end. It is grown by the Columbus Gardeners exclusively. Exceedingly prolific, very hot and particularly handsome in appearance. Pkt., 10c.; oz., 25c.; ¼ lb., 75c.; lb., \$2.75.

Peas

German—Erbsen.

French—Pois.

Spanish—Guisante.

Peas mature early in a light, rich soil. For a general crop, a rich, deep loam, or inclining to clay, would be best. They thrive better if the ground has been manured for a previous crop, but if the ground is poor and requires manuring, use well rotted manure; for the dwarf varieties you can hardly make the soil too rich. When grown for a market crop they are seldom staked or brushed, but are sown in single rows one inch apart and 3 to 5 inches deep, the depth depending on the time of sowing, nature of soil, as well as variety. Rows should be from 2½ to 3½ feet apart, according to variety, soil and manner of culture desired. When grown in gardens it is best to sow in double rows, 6 to 8 inches apart, the tall ones requiring brush, which is stuck in between the rows. Commence sowing early varieties as early as the ground can be worked in the spring, and continue, for a succession, every two weeks up to June, discontinuing until the middle of July, when a good crop can usually be secured by sowing the extra early and early sorts. It is best to make late planting on sandy soil as there is some danger of mildew at this season when planted on heavy land. They should be kept clean with the cultivator or hoe, and earthed up twice during growth. Wrinkled varieties are not as hardy as the smooth hard sorts, and if planted early should have dry soil and not planted deep or they are liable to rot in the ground; they are, however, the sweetest and best flavored varieties. One quart sows 80 feet of drill. Two or three bushels to the acre.

PACKETS OF PEAS OR BEANS ARE HEAVY and the packets put up by some seedsmen to sell at 50¢ per bushel, containing a SMALL QUANTITY FOR ANY FAMILY. We therefore put up LIBERAL SIZED PACKETS at 10¢., postpaid. We prefer TO PLEASE our customers rather than DISAPPOINT them.

WE PAY THE POSTAGE.

At prices quoted on Quarts, Pints and Packets. If to go by Express at buyer's expense, 15 cts. from quart, or 8 cts. from pint prices, may be deducted.



New Surprise Pea.

ALASKA

This BEAUTIFUL BLUE market pea has become a standard variety, and is THE EARLIEST OF ALL BLUE PEAS. 20 inches high; very uniform in maturing the crop; of excellent quality, and retains its desirable color after cooking. Pkt., 10c.; pint, 25c.; qt., 50c.; pk., \$1.50; bus., \$5.50.



NEW SURPRISE PEA

EXTRA EARLY WRINKLED. Gardeners have long wanted a Wrinkled Pea which would come into market as soon as the extra early smooth kinds. They have it in the "NEW SURPRISE." It is "as early as the earliest of the hard peas, and as heavy a cropper, while it has that peculiar sweetness which belongs to the wrinkled sorts." For four years in succession second crops have matured on the same ground from which the first was planted, the second in each case from the seed of the first. It is the result of a cross between Earliest of All and American Wonder; has the hardiness of the first, and the quality of the latter. Vines 24 inches high and need no brushing. Pods well filled, containing six or seven peas. The plants should stand about 2½ inches apart in the drills. Pkt., 10c.; qt., 30c.; qt., 50c.; ½ pk., 80c.; pk., \$1.50; bus., \$5.50.

AMERICAN WONDER

THE LEADING DWARF PEA in point of earliness, productiveness, flavor and quality. Dwarf and robust habit, growing about 10 inches high, and produces a profusion of good-sized pods, fairly packed with the finest flavored peas. Pkt., 10c.; pint, 30c.; qt., 60c.; pk., \$1.85; bus., \$7.00.

CARTER'S DAISY

Vines 16 to 18 inches high; stocky, vigorous, productive—5 to 7 pods to the plant. Pods bright green, 5 inches long and contain up to 10 peas. Peas pale green, large, tender and deliciously sweet. Ripens medium early. Pkt., 10c.; pint, 30c.; qt., 60c.; pk., \$2.00; bus., \$7.50.

✓ **WM. HURST**—Hardy, prolific, a very early dwarf wrinkled pea. Height 8 to 12 inches. Pods contain 6 to 8 large peas of good quality. Pkt., 10c.; qt., 30c.; qt., 50c.

✓ **THE ADMIRAL**—A medium early pea, of high quality. Productive. Pods bright green, 2½ inches long; contains 6 to 9 large peas. Pkt., 10c.; qt., 30c.; qt., 50c.

JUNO PEA

The Juno is one of the best main crop Wrinkled Peas of its class. It has a stout robust vine and STRAIGHT, heavy, square pods, usually borne in pairs. The pods are very thick, broad-backed and filled from the stem to the tips with seven to nine sweet, delicious, DARK GREEN peas of immense size; height, two feet; season from medium early to main crop. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.30; bus., \$4.50.

NOTT'S EXCELSIOR

A fine new EXTRA EARLY DWARF GREEN WRINKLED PEA. In earliness it equals American Wonder; in height about 15 inches; in quality equal to Premium Gem, and as a cropper it excels it. A great yielder, because it can be planted so much closer than tall growing sorts. Pkt., 10c.; pint, 30c.; qt., 60c.; pk., \$2.00; bus., \$7.50.

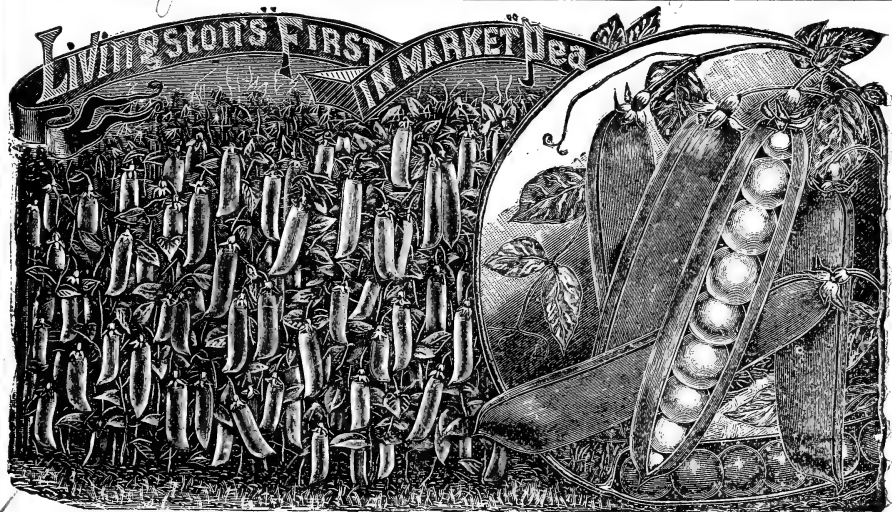
✓ **IMPROVED STRATAGEM**—Half dwarf; green wrinkled; vigorous branching habit; an enormous cropper. Pods long, filled with from 7 to 9 EXTRA LARGE peas of EXTRA FINE QUALITY; season MEDIUM LATE. Pkt., 10c.; pint, 25c.; qt., 50c.; pk., \$1.50; bus., \$5.50.

✓ **STATION**—Extra early wrinkled, very productive; large pods, well filled, and ripening but a few days later than the very earliest. Height 2 feet. Pkt., 10c.; pint, 25c.; qt., 50c.; pk., \$1.50; bus., \$5.50.

✓ **DUKE OF ALBANY**—One of the very largest and best Peas grown. The pods are handsome, large, well-filled, and borne in great profusion. Pkt., 10c.; pint, 25c.; qt., 45c.; pk., \$1.40; bus., \$5.00.

PROSPERITY (GRADUS) PEA see Novelty Pages





LIVINGSTON'S FIRST IN MARKET PEAS.

Several years ago, when we introduced this variety, the name was chosen because it was an appropriate one for this, THE EARLIEST of all very early peas. It means FIRST PEAS IN MARKET and FIRST MONEY to every one who grows from this stock for market purposes, and the farmer who plants it is sure of the first mess of green peas in his neighborhood. It is VERY PROFITABLE for the GARDENER and SHIPPER because it is very early, ripens uniformly, so that all the pods may be picked within seven weeks from time of planting, and that at one picking. No brush or other support is required, as they seldom, under any circumstances, grow to exceed 20 inches in height. The pods are handsome, straight, and full of medium sized round peas of first-rate quality, and it is immensely productive for so early a variety. We have been carefully looking into the REAL EARLY pea subject and testing the various "strains" and "brands" on the market for years, until we are convinced, as well as our customers who have given them a trial, that FIRST IN MARKET leads all. Pkt., 10c.; pint, 25c.; qt., 50c.; $\frac{1}{2}$ pk., 75c.; pk., \$1.40; bus., \$5.25.

THE TELEPHONE PEA

No pea to-day, of its class, is more meritorious or deservedly popular than the Telephone. Green wrinkled; height $3\frac{1}{2}$ feet; productive; pods unusually large, elegant shape, slightly curved, and well filled with peas of large size and most excellent quality and flavor. Pkt., 10c.; pint, 25c.; qt., 50c.; $\frac{1}{2}$ pk., 85c.; pk., \$1.65; bus., \$6.00.

McLEAN'S ADVANCER

About the best second early. Green, wrinkled; 2 $\frac{1}{2}$ feet high; long pods, abundantly produced and well filled. Pkt., 10c.; pt., 20c.; qt., 40c.; $\frac{1}{2}$ pk., 70c.; pk., \$1.30; bus., \$4.75.

✓ **PREMIUM GEM**—Very fine EXTRA EARLY dwarf pea of Little Gem type, on which it is a decided improvement; larger pods and more productive. Profitable wrinkled pea for market gardeners, and for family use there is none better. Pkt., 10c.; pint, 25c.; qt., 50c.; $\frac{1}{2}$ pk., 85c.; pk., \$1.65; bus., \$6.25.

✓ **Dwarf Tom Thumb**—Dwarf, about nine inches tall; matures about the time of American Wonder. Can be planted very close. Pkt., 10c.; pint, 25c.; qt., 50c.; $\frac{1}{2}$ pk., 75c.; pk., \$1.35; bus., \$5.00.

✓ **McLean's Little Gem**—A gem indeed. Dwarf green wrinkled variety, 12 to 14 inches high; prolific; VERY SUPERIOR FLAVOR. Pkt., 10c.; pint, 25c.; qt., 50c.; $\frac{1}{2}$ pk., 85c.; pk., \$1.65; bus., \$6.25.

CHAMPION OF ENGLAND

One of the best. Delicious flavor; PROFUSE BEARER of large pods well filled with large green wrinkled peas; 4 feet. Pkt., 10c.; pint, 20c.; qt., 40c.; $\frac{1}{2}$ pk., 70c.; pk., \$1.25; bus., \$4.50.

PROLIFIC EARLY MARKET See Novelty Pages.

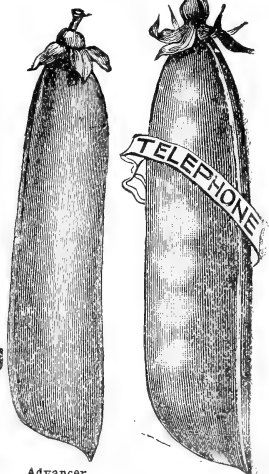
J. Q. Overman, Highland Co., Ohio, 1901.—"My First in Market Peas was ready to pick the 25th of May last season. Beauty Tomatoes June 30th. I consider the Beauty the best early tomato."

10 YEARS.

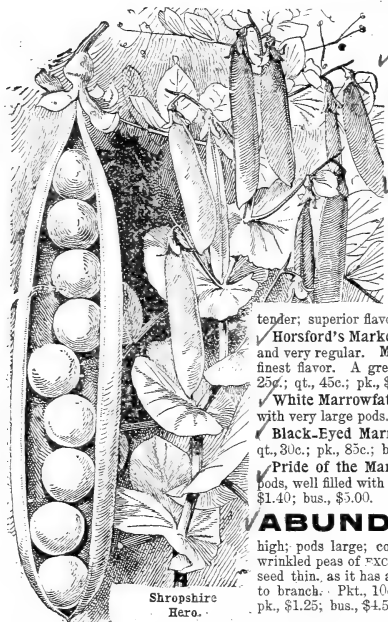
G. M. Turner, Shelby Co., Ky.—"I have been using your tomato seeds for 10 years."

25 YEARS.

J. M. McCleary, Kan.—"This is my 25th yearly order from Livingston."



Advancer.



Shropshire
Hero.

TWO OF OUR BEST SELLING PEAS.

SHROPSHIRE HERO

One of the most valuable new peas of recent years. It is a **SECOND** EARLY, LARGE, WRINKLED pea, a robust grower like **STRATAGEM**, two or three feet in height, producing its large pods in abundance. Pods very large and extra well filled, averaging **SEVEN** and often **EIGHT** or **TEN FINE** LARGE PEAS of exquisite flavor. Pkt., 10c.; $\frac{1}{2}$ pt., 15c.; pt., 25c.; qt., 50c.; $\frac{1}{2}$ pk., 75c.; pk., \$1.40; bus., \$5.00.

HEROINE

Is a medium early green wrinkled pea, grows uniformly 2 to 2 $\frac{1}{2}$ feet high, and bears a profusion of large, long, slightly curved pointed pods, containing 9 to 10 large peas of fine quality. Destined to become a great favorite for market purposes. An **immense cropper**, yield double the quantity ordinary varieties do. Pkt., 10c.; $\frac{1}{2}$ pt., 15c.; pt., 25c.; qt., 45c.; $\frac{1}{2}$ pk., 70c.; pk., \$1.30; bus., \$4.50.

✓ **Everbearing**—A variety maturing soon after the **Premium Gem**, and continuing a long time in bearing. Vine stout, about eighteen inches high, bearing at the top six to ten broad pods. Peas wrinkled, large, cook quickly and tender; superior flavor. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

✓ **Horsford's Market Garden**—A FINE SECOND-EARLY FOR FAMILY GARDENS. Vines two feet high and very regular. Most prolific bearer, pods medium size, numerous and well filled with peas of finest flavor. A green wrinkled variety which is fast coming into general favor. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.35; bus., \$4.75.

✓ **White Marrowfat**—One of the oldest varieties in cultivation, about four feet high, and well filled with very large pods. Pkt., 5c.; pt., 20c.; qt., 30c.; pk., 85c.; bus., \$3.00.

✓ **Black-Eyed Marrowfat**—Similar to **White Marrowfat** but has a dark eye. Pkt., 5c.; pt., 20c.; qt., 30c.; pk., 85c.; bus., \$3.00.

✓ **Pride of the Market**—Has a stiff vine of medium height, bearing a crop of large dark green pods, well filled with large peas of good flavor; season **MEDIUM**. Pkt., 10c.; pt., 25c.; qt., 50c.; pk., \$1.40; bus., \$5.00.

ABUNDANCE

One of the **VERY BEST** and **MOST SATISFACTORY** second early pea for general purposes. It is half dwarf; 15 to 18 inches high; pods large; containing six to eight wrinkled peas of **EXCELLENT** QUALITY. Sow seed thin, as it has a remarkable tendency to branch. Pkt., 10c.; pt., 25c.; qt., 45c.; pk., \$1.25; bus., \$4.50.

SUGAR, OR EDIBLE PODDED PEAS

All edible podded varieties are used either shelled or cooked in the podlike string beans, and when young, are very tender and sweet.

✓ **LIVINGSTON'S PROLIFIC GIANT PODDED SUGAR PEA**—Exceeds all other Sugar Peas in size, productiveness, and quality. Vines average about 30 inches in height, remain a long time in bearing. The pods gigantic in size, broad, sweet and tender, extremely fleshy, and equal to the best snap beans for cooking pods and all. A decided improvement over other sugar peas and greatly superior in quality. Pkt., 10c.; pt., 30c.; qt., 60c.; $\frac{1}{2}$ pk., \$1.25; pk., \$2.25; bus., \$8.00.

✓ **Melting Sugar**—This new variety grows to the height of five feet; bears a profusion of very large, broad, handsome, light green (nearly white) pods which are so brittle that they snap without any strings. Sweet and tender. Pkt., 10c.; qt., 30c.; qt., 60c.; pk., \$1.85; bus., \$7.00.

✓ **Dwarf Sugar**—GRAY SEEDED—Grows about two feet high; productive; seeds large and shriveled. Pkt., 5c.; pt., 20c.; qt., 40c.

✓ **Tall Sugar**—Very productive. Pkt., 5c.; pt., 20c.; qt., 35c.

FIELD AND COW PEAS—See Farm Seed Department

RHUBARB, OR PIE PLANT

German—Rhubarber. French—Rhubarbe. Spanish—Ruibarbo Bastardo.

A deep, rich soil is best for Rhubarb. Sow early in drills, eighteen inches apart and one inch deep; the spring following, transplant, allowing each plant at least two feet square; each fall mulch with manure. One ounce makes about 30 plants.

✓ **VICTORIA**—Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25. ✓ **LINNAEUS**—Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.25.

RHUBARB ROOTS We offer strong seedlings. They are much more easily handled and transplanted than old clumps. The transplanted roots are more satisfactory. By Mail, postpaid, each 20c.; 2 for 30c.; 4 for 50c. By Express, not paid, each, 10c.; doz., 75c.; 50 for \$2.00; 100 for \$4.00; 1000 for \$30.00.



PUMPKINS

German—*Kurbis*. French—*Courge*. Spanish—*Calabaza*.

Pumpkins are not so particular in regard to soil as Melons or Cucumbers, but in other respects are cultivated in a similar manner. They are generally raised in fields of corn or potatoes, and may be planted with success in fields by themselves, in May or early June, in hills eight feet apart each way. One ounce for fifteen hills; one pound for an acre.

✓ **Large Common Yellow Field (Yankee Cow Pumpkin, Connecticut Field)**—HARDEST OF ALL PUMPKINS, good for pies and stock feeding. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 35c.

✓ **Tennessee Sweet Potato**—Excellent for pies; pear shaped; medium size; flesh and skin creamy white; fine grained; sweet and delicious; a first-rate keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

✓ **Large Sweet or Pie**—Not so flat as Cheese, large, very heavy, thick meat and sweet. More generally grown in Ohio than any other, both for feeding stock and table use. Skin dark orange, sometimes mottled with green. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 45c.

✓ **Large Sweet Cheese**—Fine for pies, productive; flesh yellow; sweet; keeps well in winter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

✓ **Black Sugar (Negro or Nantucket Pie)**—A good "Pie" Pumpkin. Oblong in shape; skin very dark green, almost black; flesh orange color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

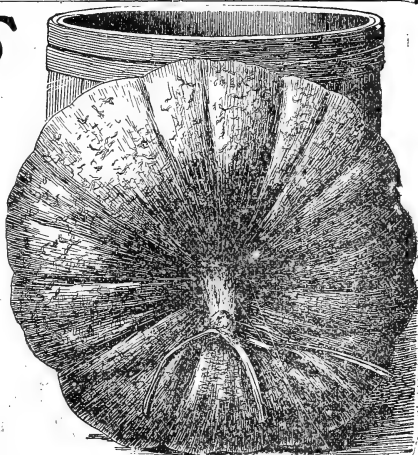
✓ **Japanese Pie**—Crook-necked variety; extremely small seed cavity; nearly all solid meat; quality extra fine. Seeds distinct in appearance. Productive; ripens early; medium size; good keeper. Easily cut and dried like apples, and makes excellent pies or sauce for winter use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

✓ **Golden Oblong**—Outer color a rich golden-orange; almost as good a keeper for winter as the hard-shell squashes; flesh yellow, very rich, and fine quality; pronounced by lovers of pumpkin pies the VERY BEST. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

✓ **Small Sugar**—Very prolific, 8 inches in diameter, deep orange yellow, fine grained, keeps well. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

LIVINGSTON'S THANKSGIVING PUMPKIN.

SEE NOVELTY PAGES.



Mammoth Potiron Pumpkin.

GENUINE MAMMOTH, OR TRUE POTIRON—KING OF MAMMOTHES, JUMBO PUMPKIN, ETC. Form like an immense Nutmeg Melon with depressed ends, slightly ribbed and grows sometimes to 3 feet or more in diameter. Salmon color; flesh bright yellow; good quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

✓ **Mammoth Etampes Bright Red**—The giant variety grows to enormous size; a bright glossy red; for stock and exhibition purposes. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

✓ **Mammoth Tours**—Of immense size, often weighing 100 pounds. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

One packet each above 3 Mammoth Pumpkins 12c.

PARSNIP

German—*Pastinake*.

French—*Pastinaca*.

Spanish—*Pastinaca*.

Parsonip is similar to Carrots, and thin to 6 inches apart in the rows. The roots improve by being left in the ground over winter, securing enough in pits or the cellar for immediate use. One ounce to 200 feet of ground, 5 or 6 pounds for an acre.

✓ **LARGE SUGAR OR HOLLOW CROWN** (Improved Guernsey)—The best variety in cultivation for general use; roots intermediate length, white, smooth, sugary; excellent flavor, easily harvested. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

✓ **Long White Dutch**—Roots very long and smooth; hardy and keeps through winter, without protection. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

✓ **Maltese Half-Long**—Shorter than Hollow Crown; better for shallow ground. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

✓ **Zimpher's Long White**—Handsome long white sweet Parsnip on the market. Very smooth and attractive. For fuller description see Novelty List. Pkt., 10c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.20.

PARSLEY

German *Petersille*.

French—*Persil*.

Spanish—*Perejil*.

Parsley is used for seasoning soups, meats, etc., for salads and garnishing, also for ornamental border for the flower garden; succeeds best in a rich, mellow soil. As seeds germinate very slowly, 3 or 4 weeks sometimes elapse before it makes its appearance; it should be sown early in the spring in rows 1 foot apart, sow thick and cover half an inch deep; finally thin to 5 or 6 inches apart or transplant and cut back frequently. For winter use protect in a frame or light cellar.

One Ounce for 150 feet of drill.

✓ **FINE DOUBLE CURLED**—A fine dwarf variety. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

✓ **CHAMPION MOSS CURLED**—Beautifully crimped and curled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

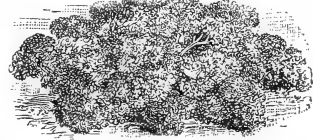
✓ **PLAIN**—The leaves are plain; it is harder than the curled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 40c.

✓ **EXTRA CURLED EMERALD**—Distinct from other varieties, being a lighter shade of green. The plant is dwarf, with leaves finely cut and curled. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

✓ **FERN LEAVED**—Very beautiful; more like crested fern or moss than Parsley; grand for table decoration. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

✓ **HAMBURG, OR TURNIP-ROOTED**—A fleshy rooted kind; the roots are used for flavoring soups. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

—Grown in Pots



Radish

German—*Rettig*. French—*Radis*.
Spanish—*Robano*.

All varieties thrive best in light, sandy loam. For early use sow in hot-bed in February, giving plenty of ventilation, or outside in drills as soon as the soil can be gotten in order, covering the seed about half an inch deep. Sow every two weeks from March to September for a succession. They must grow rapidly to be crisp, mild and tender.
One ounce for 100 feet of drill; 5 to 10 pounds for an acre.

S. J. Lehman, Clark Co., Ohio.
"Livingston's Pearl Forcing Radish certainly cannot be excelled in beauty and quality by any other of its season."

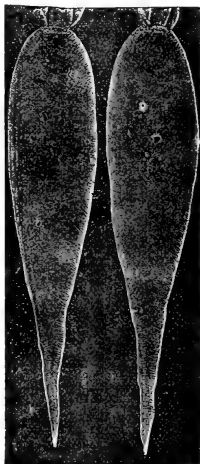


✓ **BRIGHTEST LONG SCARLET**—(Cardinal White Tipped)—A new sort; resembles Early Long Scarlet in shape and size. Extra early, being fit for use in 24 days after sowing. It is the brightest scarlet we have ever seen in a radish; tips white; a rapid seller on market. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 60c.

✓ **EARLIEST CARMINE OLIVE-SHAPED**—Earliest forcing radish known. Succeeds in the open ground, and takes only 20 to 22 days to form. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

✓ **WHITE OLIVE-SHAPED**—When grown from TRUE seed the root is very handsome, regular, olive-shaped, and a fresh, pure white; crisp and tender. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 75c.

✓ **GOLDEN DRESDEN**—We recommend it alike for family garden and for market as one of the most valuable and quick growing radishes. Tops very scant; admits of closest planting. Perfectly round, smooth, and very attractive; light golden-brown skin; flesh crisp, white, juicy, and of finest flavor. Market gardeners can grow this new radish in the garden or force it, and depend upon a remarkably perfect, early, uniform crop. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.



Pearl Forcing.

LIVINGSTON'S PEARL FORCING.

A cross between Wood's Early Frame and White Strasburg—what might be called half-stump rooted. Pearl-white, with waxy appearance; very firm and solid; remains in eatable condition fully two weeks before showing signs of going to seed, and do not become woody. If properly grown they have a smaller top than when grown in the open field. All things considered, we pronounce it absolutely the very best general purpose White Market Radish in existence. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 30c; lb., \$1.00.

✓ **PHILADELPHIA WHITE BOX**—Its points of superiority are short top, rapid growth, perfect turnip shape, extra fine quality, and showing but little disposition to become pithy, remaining solid and juicy some time after fully grown; especially fitted for growing under glass in frames. Owing to very few leaves it can be sown thickly. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

✓ **ROSY GEM**—One of the earliest; perfectly globular; rich deep scarlet at top, blending into pure white at the bottom; exceedingly tender and crisp; delicious; desirable for market or home garden. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.



Early Scarlet Globe.

✓ **EARLY SCARLET GLOBE**—One of the earliest and best for forcing; its color is very handsome; mild flavor; crisp and juicy; stands a great amount of heat without becoming pithy; good for garden. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

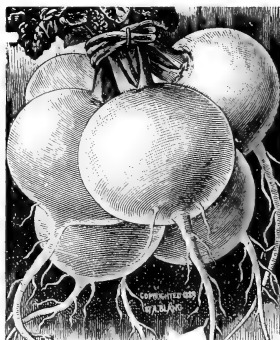
✓ **EARLY FIRE BALL**—Pretty little fire-red round radish; small tap-root; small top; preferred by many for early forcing. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.

✓ **EARLY SCARLET TURNIP**—Very early; in great demand for home use. Small, round, with short top. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 20c; lb., 65c.

✓ **SCARLET TURNIP, White Tip**—Handsome bright scarlet, white tip. Many gardeners make sowings of it every two weeks during summer; its fine appearance attracts customers; quality always pleases. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 75c.

NON PLUS ULTRA.

Deep Scarlet Forcing Turnip—The earliest forcing radish in cultivation. Roots small, round, deep rich scarlet; crisp, tender, white flesh. Pkt., 5c; oz., 10c; $\frac{1}{4}$ lb., 25c; lb., 80c.



Philadelphia White Box.

Radish



White Strasburg Radish.

WHITE STRASBURG—Handsome, oblong, tapering shape; both skin and flesh pure white; flesh firm, brittle, tender, and possessing the most desirable character of retaining its crispness, even when the roots are old and large. Excellent for summer use, as it withstands severe heat and grows very quickly. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

WOOD'S EARLY FRAME—Ten days earlier than the Long Scarlet, which it resembles; excellent for forcing. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

EARLY LONG SCARLET SHORT TOP—An admirable sort for forcing; also the leading outdoor quick-growing variety, both for private and market gardens the country over; grown in rich, light soil, its average length is about 8 inches; grows half out of the ground, straight, uniform in color, brittle and crisp; small tops; bright scarlet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

WHITE LADY FINGER Long White Vienna—Finest long white radish in cultivation. Beautiful shape; skin and flesh pure white; crisp; rapid grower. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

W. H. Profit, Wood Co., W. Va., 1901—"I would not ask for anything better in Radishes than your White Lady Finger and Cincinnati Market. I don't plant any other kind. Have grown them three years. Got seeds of you."

LARGE WHITE SUMMER TURNIP—The market gardeners' favorite. Round, smooth, and very white; crisp and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

GIANT WHITE STUTTGART—A favorite German radish; grows quick, of large size; in shape like a large top; flesh and skin white; fine quality; firm and brittle; never pithy; can be stored for winter. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 55c.

NEW LEAFLESS—Extra early, remarkable for the small size of its leaves; the roots grow so quickly that they are practically in advance of the leaves, and for that reason it is called "Leafless." Its peculiar crumpled leaves "are few and far between." A beautiful bright color, and the crisp, tender flesh is excellent. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.

WINTER VARIETIES.

Sown in summer and used in the fall, or put away same as turnips. For winter use store in the cellar, or in pits with turnips.

Scarlet Ball (Famir)



Winter Radish

CHARTIER Scarlet, White Tip—A distinct, exceedingly handsome and attractive sort; color of the top is scarlet rose, shading into pure wax-white at the tip. Attains very large size before it becomes unfit for the table; undoubtedly the best all seasons radish for the open ground. Ready for use or market nearly as early as Long Scarlet Short Top; keeps crisp and tender for two months. Planted late makes a good winter keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

CHARTIER LONG WHITE (Non-pareil)—Derived from the preceding, and in all respects similar, only that the color is pure white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 80c.

EARLY WHITE TURNIP—Pure white, with a small top. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

FRENCH BREAKFAST—A variety of quick growth. Very mild and tender; one of the best for forcing; oval form, scarlet, tipped with white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

GRAY SUMMER TURNIP—A heat resister. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 65c.

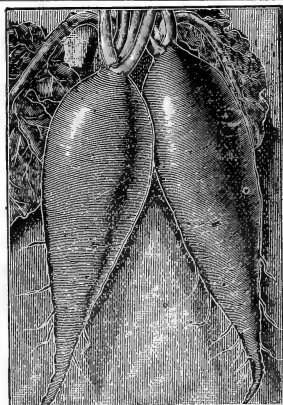
HALF-LONG DEEP SCARLET—A very hardy and desirable radish. The color is a very deep, rich red. The shape is half-long, with a tapering point. The flesh is pure white, crisp, tender and juicy, not becoming pithy until overgrown. A favorite wherever introduced. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

G. W. Powell, Tenn., April 25, 1901—"Your Half-Long Red Radish is just in size and color."

GOLDEN GLOBE—Perfect globe shape and golden colored skin; a quick grower; tender and brittle. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.

LIVINGSTON'S RADISH MIXTURE

Our mixture, of about two dozen kinds, contains all shades and shapes—red, white, pink and variegated; round, half-long and long, in great variety. One sowing does for the whole season, as they come early, medium and late. You always have some that are right—sweet, juicy, delicious, crisp. You will be surprised and delighted with our popular radish mixture. Large packet, 10c.; oz., 15c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.



Half-Long Deep Scarlet.



Some of the Radishes grown from a packet of Livingston's Mixture.

LONG BLACK SPANISH—Grows 6 to 8 inches long, 1 to 1 $\frac{1}{2}$ inches through at top; skin black; flesh white and firm. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

ROUND BLACK SPANISH—Like the above except in shape. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

WHITE CHINESE—New Celestial—Large stump-rooted radish with white skin and flesh. Can be sown from July 1st to August 15th, and will keep in prime condition; mild in flavor, brittle and never woody like some winter varieties. Market gardeners will find this a splendid seller, and those who secure it first will make some money out of it. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

FOR LARGER QUANTITIES OF RADISH SEED SPECIAL PRICES WILL BE MADE

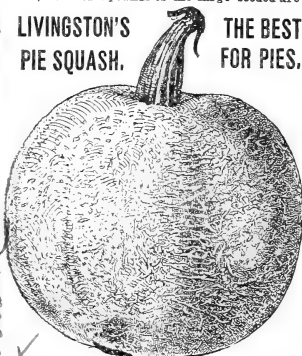
CINCINNATI MARKET and other NEW RADISHES, see NOVELTY PAGES

Squash

ving varieties, putting 6 to 8 seeds to the hill, finally leaving but three plants. One ounce of Bush varieties for 40 hills, or of the large-seeded kinds, 15 hills; 2 or 3 pounds of the Bush, and 3 or 4 pounds of the large-seeded are required for an acre.

LIVINGSTON'S
PIE SQUASH.

THE BEST
FOR PIES.



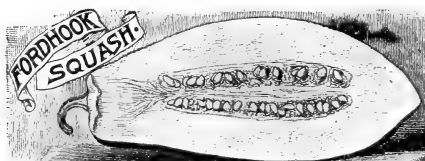
LIVINGSTON'S PIE SQUASH,

Called by Some Seedsmen "Pie Pumpkin."

It is also claimed by some to be the same as Winter Luxury Pumpkin; this is incorrect, Livingston's Pie Squash being more smooth (showing no ribs whatever), and of more uniform growth in type and crop. We have always called it a Squash, inasmuch as the family from whom we first obtained our seed had always been in the habit of speaking of it as such. Whether Squash or Pumpkin, one thing is sure, it is FAR IN ADVANCE OF ANY PUMPKIN IN QUALITY. The color of the skin is similar to that of the golden russet apple. Flesh yellow and very thick. Quite early, surprisingly productive, and a rapid and hardy grower. All in all, we call it the grandest thing out for pies. Its size and attractive appearance make it a ready seller. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

J. M. Rodgers, Hillsboro Co., Fla.—"Your garden seeds are all that any one could wish. The Stone and Honor Bright Tomatoes are 'dandies'!"

M. A. Wakeland, Harford Co., Md.—"Have been using your tomato and vegetable seeds for years, and have always found them the best."



FORDHOOK—Convenient size for family use. Flesh dry and sweet, and seems incapable of rotting; if placed in a cool, dry room, keeps in a perfect condition throughout the winter and spring, until late in June. The thin, hard stem and roots, furnish absolutely no food for the squash borer. Maturing early, it is a sure cropper and immensely productive. Skin thin and meat thick; seed cavity small. May be used as a summer or winter squash. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 75c.

Squashes should not be planted until danger from frost is past, but get in the winter kinds as soon as possible, in order that they may mature. Plant in hills 5 feet apart for bush varieties and 6 or 8 feet apart for running varieties.

White Bush Scallop—"PATTY PAN." "LYMBING"—The well-known summer squash; very productive; pure white; to be used when young and tender. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Mammoth White Bush Scallop—An excellent large strain, earlier than the common stock, creamy white and averaging double in size; a prolific bearer; a splendid variety for market and the best of all for Southern shippers. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 60c.



White Bush Scallop Squash.

LIVINGSTON'S IMPROVED CUSHAW SQUASH

The genuine Cushaw of "ye olden times," a great favorite. Very beautiful in appearance, being a distinct mottled green and white striped. Very small seed cavity at one end, balance of fruit, solid. Flesh yellow, fine grained, very sweet, and excellent for pies; also good for baking. They average about 15 pounds, but on good rich soil 30 pound specimens are common, and even 35 to 40 pounds are found. They are hardy, and bugs seldom eat them, especially when other varieties are near. Can be grown among corn, same as pumpkins; and yield a good crop, but the better way is to grow them separately on good, rich soil, in hills 10 to 15 feet apart each way. Sells well on market, and should be in the hands of every grower. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

Giant Golden Summer Crookneck—A beautiful bright yellow, warty; bears early and all summer; very desirable for market or private gardens. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 60c.

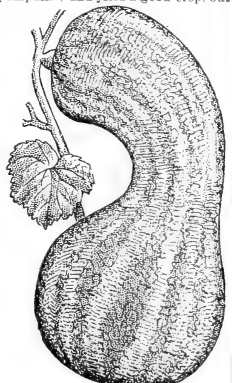
New White Summer Crookneck—A beautiful ivory white, warty squash of excellent quality. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 60c.

W. S. Hanley, Labette Co., Kan.—"I ship tomatoes extensively and all want the Stone. They never fail to give satisfaction. I have tried all kinds the past 10 years and never expect to get their equal."

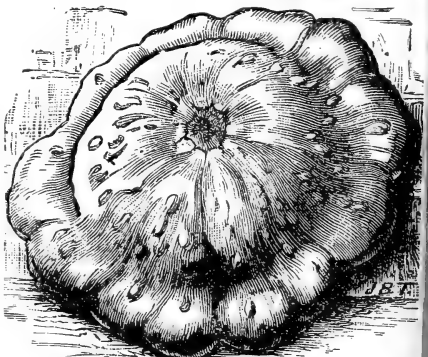
A. W. Loudenback, Champaign Co., O.—"Have been exporting for 21 years, have tried a great many seeds, but find yours gives perfect satisfaction."

MAMMOTH YELLOW BUSH SCALLOP, OR GOLDEN CUSTARD.

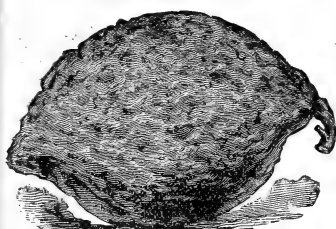
Decidedly the best strain of YELLOW scallop. It has been selected and grown for years until it has doubled in size, and, at the same time, lost none of the other good points, such as earliness, quality and productiveness. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 60c.



Improved Cushaw.



Mammoth Yellow Scallop, or Golden Custard Squash.



Colvin's Orange Marrow Squash.

✓ **Colvin's Orange Marrow**—The skin has the appearance of a rough dark-colored orange. In flavor it is fully up to the Hubbard. Quality excellent when matured. It is ready for market very early, and squashes are picked the vines keep bearing until frost. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

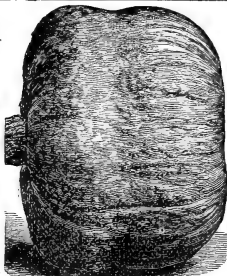
✓ **ESSEX HYBRID**—RIPENS EARLY; one of the finest grained richest flavored, most prolific and sweetest of the squash family, and keeps till the following June. Flesh very rich orange color, dry and solid. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

✓ **Pike's Peak, or Sibley**—Shell smooth, thin, and of a pale green color; the flesh is thick, solid, deep orange color, very dry, fine grained and delicate flavor. Weighs from 9 to 11 pounds, and are excellent keepers. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

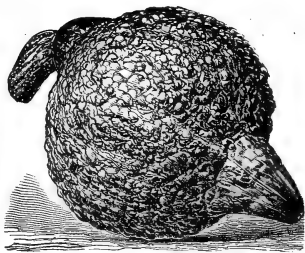
✓ **Mammoth Chili—True Stock.** Largest of all squashes. A rich orange; smooth; flesh rich, bright yellow; keeps well throughout winter and spring; very productive; fine shape; fair quality; profitable for stock. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 35c.; lb., \$1.25.

We can supply the well-known varieties—Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

MARBLEHEAD, CANADA WINTER CROOKNECK, FAXON, AMERICAN TURBAN AND BOSTON MARROW.



Essex Hybrid Squash.



Golden Hubbard Squash.

NEW SQUASH,

GOLDEN HUBBARD

A sport from that old standard of excellence, the Hubbard. It is a perfect type of its parent, except in color, which is a bright deep orange-yellow; exceedingly showy and attractive. Flesh deep golden-yellow, much richer color than Hubbard, fine grained, cooks very dry, and of excellent flavor. In productiveness it excels the old variety. Its superior keeping qualities, combined with its rich, sweet flavor, attractive color and shape, make it a popular fall and winter variety. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., 90c.

TRUE HUBBARD

Generally considered the best Winter Squash grown; flesh dark yellow, fine grained, dry and sweet, (many say "good as sweet potatoes.") It boils and bakes dry, and if plenty of milk is added it will make an excellent pie. It has a very hard shell, is productive, and will keep perfectly until spring. We offer a very carefully grown stock. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.

CHICAGO WARTED HUBBARD

This seems to be, by all odds, the best strain of Hubbard Squash we have ever grown. Some of its good points are large size, dark green, almost black, color, all looking alike, and withal distinguished by a dense covering of knots ("warts"); thick fleshed, of first-class quality, a good keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 25c.; lb., 75c.



Salsify

(Vegetable Oyster.)

When properly cooked it is a good substitute for oysters in taste and flavor, and is very nutritious. In cooking the roots are usually boiled, or they can be mashed and made into fritters. Succeeds well in light, well enriched soil. If it is necessary to use manure, it should be very fine and well rotted. Sow early in drills, 18 ins. apart, 2 ins. deep; finally thin to 4 or 5 inches. Roots are perfectly hardy, and may remain out all winter. They are best after frost has touched them.

One ounce for 50 feet of drill.

✓ **WISCONSIN GOLDEN SALSIFY**—When prepared for the table this variety has a quality which, for DELICIOUS FLAVOR, EXTREME RICHNESS AND TENDERNESS, has been unapproached by either of the old varieties. Its habits of growth is unlike other varieties; leaves are dark green in color, finely crimped and curled; roots have a slightly yellowish tinge. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

✓ **MAMMOTH (Sandwich Island)**—This variety grows uniformly to an extra large size, averaging fully double the size and weight of the old white variety. Mild and delicious flavor. Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 40c.; lb., \$1.35.

✓ **SCORZONERA—Black Salsify**—Pkt., 5c.; oz., 15c.; $\frac{1}{4}$ lb., 50c.; lb., \$1.75.

Sorrel

Of easy growth; cultivated for its leaves, which possess a fine tang when boiled and served like Spinach; also makes a good soup.

✓ **BROAD-LEAVED FRENCH**—The best variety. Pkt., 5c.; oz., 10c.; $\frac{1}{2}$ lb., 30c.; lb., \$1.00.

Spinach

For spring use sow early in drills 1 foot apart, and for succession every two weeks. As it grows thin out for approach of severe cold weather.

Use sow in September in ground well manured; mulch with straw on approach of severe cold weather.

One ounce of Seed for 100 feet of Drill; 10 pounds for an acre. If ordered by Express deduct 10c. per pound.

✓ **NEW VICTORIA**—Quick to mature; large, exceedingly thick leaves, savoy-curl in center. Remains in condition for use much longer than most kinds. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 15c.; lb., 40c.

✓ **PRICKLY SEED**—The hardest of all, therefore the best where the winters are severe. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

✓ **IMPROVED THICK LEAF (Virola)**—A decided improvement on Round Summer. Has very large, thick leaves of great substance. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

✓ **CURLED-LEAVED SAVOY (Norfolk, Bloomsdale)**—Earliest variety; of upright growth; fine, large, tender, savoyed leaves. Grows quick, but will not stand long. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

✓ **ROUND SUMMER**—A standard sort with market gardeners for early spring; stands the winter well, but is not quite so hardy as the Prickly.

leaves large, thick, fleshy. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.

✓ **LONG-STANDING**—An improved strain; later in going to seed; especially desirable for market gardeners. Oz., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 35c.



Round Summer Spinach.

Write for Prices on Spinach Seed in Larger Quantities.

Tomato

For very early fruit the seed should be sown in a hot-bed about the first week in March in drills 5 inches apart and half inch deep. Later sowings may be made until the last of April. Sufficient plants for a small garden may be started by sowing a few seeds in a shallow box or flower pot and placing in a window in the house. When the plants are 3 or 4 inches high they should be set out 4 or 5 inches apart in another hot-bed or cold frame, or removed into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden. Water freely at time of transplanting, and shelter from the sun a few days until the plants are established. Cultivate thoroughly as long as vines will permit, but the last two or three workings should be very shallow (surface cultivation) or the crop may be badly injured, especially if the cultivator is run too near the plants. Tomatoes will admit of training to stakes or trellises, and the fruit is very much improved, not only in appearance but in quality. This mode of cultivation is quite common among gardeners who grow for early market. The usual method is to set one strong plant to a stake 5 to 7 feet high, tying the plants up with wool or other strong, soft twine, pruning out quite freely as vines advance in growth. By this method plants may be set much closer than in the ordinary way. For fine, large specimens of high color and attractive appearance generally, grow the clusters of the fruit in paper sacks, as is commonly practiced by grape growers. The sacks should be put on when the tomatoes are about three-fourths grown.

About 2000 plants from one ounce of seed is a safe estimate.

THEY ALL WANT THEM. W. S. Handley, Kansas—"I ship tomatoes with the Stone. The Beauty and Stone are the two standards. They never fail to give satisfaction. I have tried all kinds the past ten or twelve years, and never expect to get anything to equal the Stone. The demand for them increases each year, until now everybody wants them."

New Varieties and THE GROWING OF LARGE QUANTITIES Our Specialty.

No Establishment in the World makes such a Specialty of Tomato Seed Growing as Ourselves.

In making this claim we mean actual growing. Some who claim to be extensive growers in this line we find, raise a large portion, not their entire output at the back door of some canning factory, simply washing out seed from the refuse. Such seed may contain a mixture of half a dozen or more varieties.

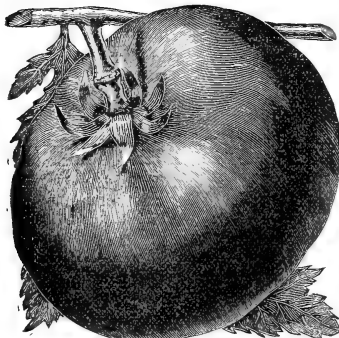
This "Vegetable Fruit" has become indispensable to housekeeping in this and many other countries within the past 25 years, and which, we feel, without boasting, is largely due to the excellent qualities of the varieties bearing our name.

The Fame of the Varieties originating with and introduced by us has extended to every Country on the face of the Globe where the Tomato can be grown.

Our first Tomato, the "Paragon," was introduced in 1870, after working five years to bring it to a high state of perfection. It was the first and only strictly smooth red tomato ever sent out up to that time, and is as good today, in our hands, as when introduced 32 years ago, showing no signs whatever of degenerating. In 1875 the first perfectly smooth purple tomato, the "Acme," was introduced by us. Since that time we have introduced 20 of the best standard and most distinct varieties ever brought before the tomato growers of the world. They were introduced in the following order:

Perfection—in 1880.	Gold Ball—in 1892.
Golden Queen—in 1882.	Buckeye State—in 1893.
Favorite—in 1883.	Aristocrat—in 1893.
Beauty—in 1886.	Large Rose Peach—in 1893.
Potato Leaf—in 1887.	Honor Bright—in 1897.
Stone—in 1891.	DRari Yellow Prince—in 1898.
Royal Red—in 1892.	Magnus—in 1900.
Six New Hybrids of Honor Bright in 1901.	

Packet Prices of the Livingston Varieties { REGULAR SIZE, 10c. each, 3 for 25c., one or more kinds
HALF-SIZE, 5c. each, 6 for 25c., one or more kinds.



Livingston's Honor Bright.

HONOR BRIGHT TOMATOES SHIPPED TO ALASKA.

Mr. Wm. Lee, Jr., Yakima Co., Wash.—"Last season I shipped a good many Honor Bright Tomatoes to Alaska. They are a grand shipping tomato."

Livingston's Beauty Tomato.

Introduced by us in 1886.

A decided favorite for home market or shipping, being early, hardy, a strong grower, productive, large, always smooth, perfect shape and excellent in quality. Color a very glossy crimson with a tinge of purple. Grows in clusters of 4 to 6 large fruits, retaining its large size late in the season. Ripens early and is entirely free from ribbed and elongated fruit. Flesh very firm, has a tough skin and but few seeds. Seldom rots or cracks after a rain. For shipping and early market it cannot be excelled. Can be picked quite green, look well, ripen nicely and keep a week after ripe. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{2}$ lb., 65c.; lb., \$2.25.

J. O. Overman, Highland Co., Ohio.—"On June 30, of last year, I marketed my first Beauty Tomatoes. They were the first of any kind on this market. I consider them the best early variety."

P. W. Horton, Smith Co., Texas, 1901.—"I made \$1500 off of 2½ acres of land with your Livingston's Beauty Tomato this season. I will want them again."

Wm. T. Sytama, Ind.—"Have grown your Beauty Tomato for years; it is a fine variety. My neighbors get excited when I show them a row of Livingston's Beauty."

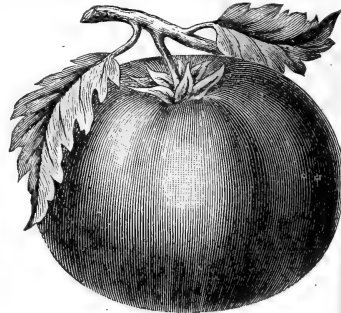
Livingston's New Honor Bright Tomato

Introduced by us in 1897.

A NEW BRIGHT RED VARIETY. THE LONG DISTANCE SHIPPER. ONE OF OUR BEST INTRODUCTIONS.

The Distinctive Features of the New Honor Bright Tomato are its solidity, long-keeping qualities after being picked, and the remarkable changes of color the fruit undergoes during growth and ripening. First it is light green, then an attractive waxy white, then lemon, changing to a rich red. On account of its solidity and long-keeping qualities, it is especially recommended for shipping long distances. It can be shipped in barrels, like apples, if picked in the early stages of ripening, and will keep from one to four weeks if stored in a cool place. The clusters bear three to five large perfect fruits, and ripen evenly from the blossom end to the stem. The flesh, when ripe, is tender and melting, not hard, as one might conclude from the solidity of the uncut fruit. Those who grow it will be surprised at its distinctiveness from other sorts. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{2}$ lb., 75c.; lb., \$2.75.

The noted Agricultural Writer, Mr. Abner Hollingsworth, says in The Farm Journal: "There is a great difference in the table quality of tomatoes, at least we think so at this house. For canning we prefer the Honor Bright to any thing I have grown before. It yields well, is solid, mild flavored and a splendid looking and keeping fruit. This is my second year's experience with it."



Livingston's Beauty.

LIVINGSTON'S STONE

Introduced by us in 1891.

This variety has obtained great favor with canners, Southern growers, and market gardeners everywhere. Its solidity and carrying qualities are remarkable. Its color is a desirable red; in shape, perfectly smooth, and thicker from stem to blossom end than most varieties, making it very handsome and salable. Nobody finds any fault with this variety, but all speak in highest terms of its beautiful color, its wonderful yielding qualities, its unequalled firmness, or some other of its good points. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 70c.; lb., \$2.50.

Mr. J. Waite, Tenn., 1900.—"I like the Cincinnati Market Radish, and the two tomatoes, Buckeye and Stone better than any I have ever had."

Mr. G. O. Wilson, Ingham Co., Mich., 1900, writes:—"The Stone Tomato done the best of all. I had a big call for them. They took first and second premiums at our fair."

LIVINGSTON'S PARAGON

Introduced by us in 1870.

Our first introduction, and we have kept it up to its original standard. Many gardeners, canners and catsup makers will have no other. It is a large sized variety. An immense cropper. Flesh is solid, well colored and flavored. Ripens between the early and late varieties, grows vigorous and no variety holds its size better late in the season. Color of skin glossy deep red. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LIVINGSTON'S ROYAL RED

Introduced by us in 1892.

This fine variety is worthy of a prominent position alongside of its renowned predecessors already bearing the "Livingston" name. A first-class main crop variety. Everybody is attracted by its beautiful red color and handsome general appearance. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LIVINGSTON'S EARLY ACME

Introduced by us in 1875.

The Earliest Real good Tomato, especially for early market use. Well known and generally cultivated, both for early and main crops. Plants are of strong and vigorous growth, very productive; fruit of medium size, perfect form, round, slightly depressed at the ends and very smooth (never rough); color a glossy red, with purplish tinge; ripens all over and through at the same time. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

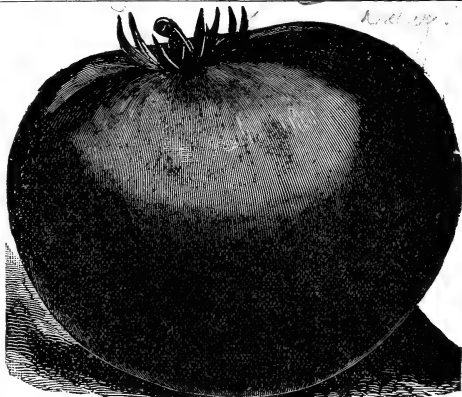
LIVINGSTON'S GOLD BALL

Introduced by us in 1892.

It is a beautiful canary yellow variety, and no other yellow sort, except our Golden Queen, can approach it in quality. Flesh thick and of extra good quality; not so large as Golden Queen; smooth as an apple and of a handsome color; grows in clusters; produces enormous crops. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

Livingston's New Magnus Tomato.

SEE NOVELTY PAGES.



Livingston's Stone Tomato.

LIVINGSTON'S EARLY PERFECTION

Introduced by us in 1880.—An im-

proved Acme with a red skin, produces large fruit until the close of the season. Invariably smooth and of handsome blood-red color. Some canners prefer it to all others, especially those who can the tomatoes whole. It usually ripens ten days ahead of the Stone. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LIVINGSTON'S FAVORITE

Introduced by us in 1883. The

best and largest perfect shaped Red Tomatoes in cultivation. Ripens evenly and early, holding its size to the end of the season; free from cracks, very prolific, good flavor, few seeds, flesh solid, bears shipping long distance. It is used extensively in the canning sections of Maryland, and has been generally grown for years for canners' trade throughout the United States. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 75c.; lb., \$2.50.

LIVINGSTON'S

Buckeye State Tomato.

THE LARGEST

Smooth Tomato in the World. Bearing the Livingston Name. Clusters of any Variety. Tomatoes in the Clusters.

(Introduced by us in 1893.)

Many "mammoth" sorts have been introduced of late, but on first trial they are rejected on account of their rough and uneven surface, if for nothing else. When, therefore, we state that in addition to its very large size, it is also smooth and uniform, we are sure you will be interested. It is even more prolific and abundant in fruit than most of the standard sorts now in cultivation, hence it is unquestionably the heartiest cropper known. The tomatoes are borne in immense clusters of four to eight extra large fruits. It matures with the Livingston's Stone. In solidity, meatiness and desirable quality none surpass it. The color is much the same as Livingston's Beauty, but darker, and this, together with its very large size make it very showy and striking when displayed for sale. For years we have grown this variety by the ordinary method, as well as on stakes, on our Tomato Farm near this city, and the tomatoes were the admiration of all visitors. **PRICE OF CHOICE SELECT SEED.**—Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$5.00.

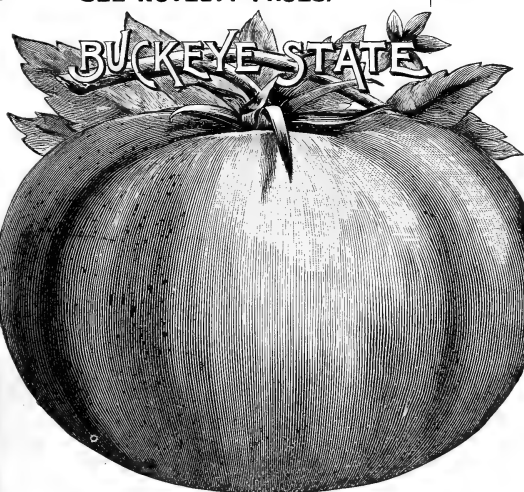
5 BUCKEYES FILL A 2 QUART CAN.

Mr. Jno. Helm, Ill., March, 1901.—"I have used your seeds for the past 5 years, and can say they are all right. I raised the largest tomatoes in the neighborhood, last season, from the Buckeye Tomato seed I got of you. Five of them filled a two quart can."

Mr. Jas. G. Reed, Butler Co., Ohio, Feb., 1901, says:—"Last year I raised 421 bushels Buckeye State Tomatoes from one acre, that averaged me 50c. per bushel. Can you beat it?"

PACKET PRICES OF THE LIVINGSTON VARIETIES.

REGULAR SIZE, 10 cts. each, 3 for 25c.—one or more kinds.
HALF SIZE, 5 cts. each, 6 for 25 cts.—one or more kinds.





Livingston's Yellow Prince.

LIVINGSTON'S YELLOW PRINCE Introduced by us in 1898. — Its rank and sturdy, but compact, growth makes it very interesting to cultivate, and this, together with its beauty and usefulness, will delight every lover of a good garden. On account of its manner of growth a dozen plants occupy only two square yards. It is as early as the Dwarf Champion. The texture is solid, and the flavor desirable, in this respect differing from many other sorts, which are mostly deficient in flavor. In large size and beauty of form it compares favorably with Livingston's Golden Queen, which stands easily at the head of all varieties of its class. When sliced with red or purple sorts it is highly ornamental as well as most pleasant to the taste. It cannot fail to become a prime favorite in every private garden, and will also suit most market growers better than existing sorts. **Extra Selected Seed** — Pkt., 10c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; 4 ozs., \$1.00.

LIVINGSTON'S POTATO LEAF Introduced by us in 1887. The fruit is always smooth, medium large, very firm, and of desirable quality. It is second early, overbearing until killed by frost, and it takes a pretty sharp frost or two before the fruit is injured, being protected by the thick, broad leaves. It has a strong vine and resists the wind remarkably well; an excellent variety for growing on trellises for tying up to stakes, and for hot climates, the leaves protecting the fruit from the scorching rays of the sun. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{3}{4}$ lb., 75c.; lb., \$2.50.

OTHER VARIETIES.

For years past we have aimed to give all new varieties of Tomatoes offering a thorough test for quality and comparative points on our trial grounds near this city, which are under our personal supervision. Not only that we may keep abreast the times on the Tomato question, but posted on varieties, and in position to offer those deserving of introduction as fast as brought out. Our limited space in this department of our catalogue will not admit of full and extended descriptions of the various varieties. The stocks we offer below we recommend as good as any offered by our competitors or the original introducers.

DWARF CHAMPION We make a specialty of this very distinct variety, and have grown a number of acres every year since its introduction. A single plant of it was first found nearly fifteen years ago in a field of Livingston's Acme. Its dwarf, compact and upright growth enables it to be planted 2 or 3 feet apart each way. Heavy manuring instead of producing a superabundant growth of vine (as in many varieties), increases the yield and size of the fruit. In form and color they resemble Acme—Smooth and symmetrical in shape, ripening close around the stem. Matures the fruit early; is very productive, medium large, and crowded close together on the branches; foliage an unusually dark green. **True Stock.** Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{3}{4}$ lb., 75c.; lb., \$2.50.

Burbank Preserving Originated with Mr. Luther Burbank, the world-famous hybridizer. The stiff stems stand very erect until about one foot high, when, unless pruned or supported, they become semi-trailing. The rich, dark green leaves, although of good size, are very compact and heavily clustered. Its bright scarlet round fruits are borne abundantly in clusters, rich, sweet flavor. Pkt., 10c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.

EARLY RUBY—A real early variety. A single plant of it was first obtained in a field of Livingston's Perfection. The fruit, although not so large or so smooth, ripens earlier than Perfection. The open habit of the plant admits the sun and ripens the fruit, which is good tomato for home use. When ripe it is apt to remain somewhat green around stem end, and it seems to ripen on the inside first; on this account it should be picked when it appears to be about three-fourths ripe. Pkt., 5c.; $\frac{1}{2}$ oz., 20c.; $\frac{3}{4}$ lb., 60c.; lb., \$2.00.

PONDEROSA—The fruit ripens quite early and keeps on coming until very late; of immense size, solid, almost seedless, and of good sub-acid flavor. The fruits are somewhat scattered on the vine, and quite a percentage are too rough to please the grower. A very good tomato for home use. When ripe it is apt to remain somewhat green around stem end, and it seems to ripen on the inside first; on this account it should be picked when it appears to be about three-fourths ripe. Pkt., 5c.; $\frac{1}{2}$ oz., 20c.; oz., 35c.; $\frac{3}{4}$ lb., \$1.00; lb., \$3.75.

MATCHLESS—A rich cardinal red. Large size. Pkt., 5c.; oz., 20c.; $\frac{3}{4}$ lb., 60c.; lb., \$2.00.

LIVINGSTON'S DWARF ARISTOCRAT Introduced by us in 1895. — This fine variety in habit of growth and foliage resembles the Dwarf Champion very much, and might be taken for that popular variety if it were not for the color of its beautiful rich, glossy red fruit, so much preferred in many localities to the purple or rose-colored varieties. The size, solidity, productiveness, smoothness, flavor of its fruit, etc., is up to the present standard of excellence. It is very desirable for forcing under glass, especially on the side benches, and for growing outside for early market. May be planted 2 by 3 feet, or even closer, making it also desirable for small gardens, where every foot of ground is to be utilized. Its peculiar dark green foliage and glossy red fruit attracts the attention of every passer-by. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{3}{4}$ lb., 80c.; lb., \$3.00.

LIVINGSTON'S LARGE ROSE PEACH Introduced by us in 1893. — It has all the general characteristics belonging to this singular and distinct class of tomatoes, but is larger than any Peach variety yet brought out. Is a profuse bearer until killed by frost, and has the agreeable mild flavor, as well as the suffused coloring and the peculiar peach-like bloom or furze on its surface. It seldom rots. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{3}{4}$ lb., 75c.; lb., \$2.75.

LIVINGSTON'S GOLDEN QUEEN Introduced by us in 1882. — "Queen of all the Yellows." Its superior flavor has brought it into general favor as a table fruit. It is solid, always smooth, entirely free from ridges, large in size, ripens early, and is the most beautiful yellow variety ever sent out. The larger and riper fruits are sometimes tinged with red at the blossom end. The handsome golden-yellow slices make a beautiful contrast in a dish with red sorts. It has very little acid, and the quality is excellent. Fine for preserves. Pkt., 10c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{3}{4}$ lb., 75c.; lb., \$2.50.

CAUTION

TO BE SURE of seed grown by us **INSIST** on having it in packages bearing our registered **TRUE BLUE SEAL.**

Large quantities of spurious seed are sold annually as Livingston's by unprincipled persons, hence this warning.

THE SEED WE OFFER WAS SAVED FROM CHOICE SELECTED FRUITS of true original type, and cannot fail to please the most critical grower.



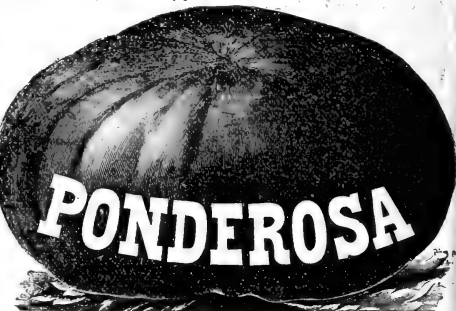
NEW IMPERIAL—Is a purple sort, ripens well around the stem, is very thick seeded and solid; although it is claimed to be extra early, we have not been able to ripen it a day earlier than Beauty, nor do we find it as productive. Pkt., 5c.; oz., 20c.; $\frac{3}{4}$ lb., 60c.; lb., \$2.00.

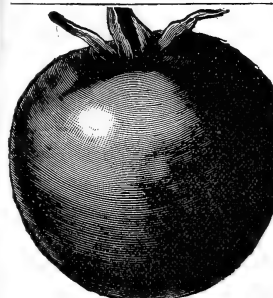
MIKADO, or TURNER'S HYBRID—In color a purplish red; quality good when ripened; foliage distinct; generally quite smooth, but always some rough ones. Pkt., 5c.; oz., 20c.; $\frac{3}{4}$ lb., 60c.; lb., \$2.25.

TROPHY, True—Fruit very large and generally smooth; solid, good flavor, and very productive. Choice selected seed, as good as it can be grown. Pkt., 5c.; oz., 20c.; $\frac{3}{4}$ lb., 60c.; lb., \$2.00.

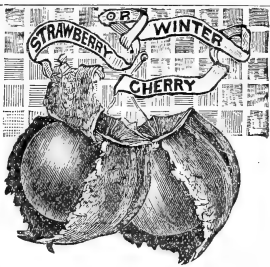
ATLANTIC PRIZE—One of the earliest of all; not only ripens its first fruits but a large proportion of the crop earlier than most any other sort. Pkt., 5c.; oz., 20c.; $\frac{3}{4}$ lb., 60c.; lb., \$2.00.

We can supply the following varieties at the uniform price of—Pkt., 5c.; oz., 20c.; $\frac{3}{4}$ lb., 60c.; lb., \$2.00. **May Flower, Red Queen, Marillard, Early Conqueror, Hathaway's Excelsior, Canada Victor, Cincinnati Purple, Essex Hybrid, Advance, Optimum, Ignatius, Fordhook, Early Michigan, Cambridge Red, Liberty Bell, Volunteer, Cardinal, Early Keeper.** Also many other varieties and a host of "re-named," or said-to-be new Tomatoes, at customary prices.





Purple Peach Tomato.



New Peach Tomatoes.

PURPLE PEACH—This striking and peculiar variety resembles some varieties of peaches so closely in size, shape, color and general appearance that it is frequently taken for a real peach. It seems to have the real blossom or furze of the peach upon its surface. In color, a deep rose blended with orange amber; it is productive, comes early, and lasts until frost, and never rots. Its equal in delicacy of flavor does not exist in the Tomato family. The skin is thin and peels off like that of a peach. It is very ornamental. Pkt., 5c.; $\frac{1}{2}$ oz. 15c.; oz. 25c.; $\frac{1}{4}$ lb. 80c.; lb. \$3.00.

YELLOW PEACH—Differs from the above in color only, being a rich golden color and having the blossom or furze of a peach upon its surface. Pkt., 5c.; $\frac{1}{2}$ oz. 15c.; oz. 25c.; $\frac{1}{4}$ lb. 80c.; lb. \$3.00.

SMALL TOMATOES.

EXCELLENT FOR PRESERVES, PICKLES AND PIES.

Red Currant	Pkt., 5c.	Yellow Plum	Pkt., 5c.
Red Cherry	Pkt., 5c.	Yellow Cherry	Pkt., 5c.
Red Pear-Shape	Pkt., 5c.	Yellow Pear-Shape	Pkt., 5c.

Pries of any of the above named varieties by the $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb., \$3.00.

HUSK OR STRAWBERRY, WINTER CHERRY, ETC.

This delicate husk enveloped Tomato is unequalled for making preserves and pies. Dried in sugar, as raisins or figs or to use in fruit cake, they are unexcelled. They are handsome in color and keep until mid-winter or longer. They have a strawberry flavor, and produce fruit in great abundance. Aside from being a great curiosity and very attractive, they sell first-rate in market, and are rapidly becoming very popular.

PURPLE HUSK—This new and beautiful variety produces fruit in great abundance, from one to two inches in diameter, enveloped with a husk. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb. \$3.00.

GOLDEN HUSK—Fruit a handsome golden color, the size of large cherries; much esteemed by many to eat from the hand; makes an excellent pie. The receipt for making the pie will be found on the packet containing seed. Pkt., 5c.; $\frac{1}{2}$ oz., 15c.; oz., 25c.; $\frac{1}{4}$ lb., 80c.; lb. \$3.00.



TURNIP

ONE POUND IS SUFFICIENT TO SOW AN ACRE.

EXTRA EARLY PURPLE TOP MILAN—A new, early, very white variety, with purple top and strap leaf; mild and sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 25c.; lb., 70c.

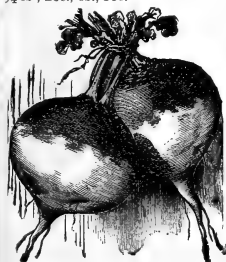
EXTRA EARLY WHITE MILAN—Same as above, except it is pure white. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., 80c.

SCARLET KASHMYR—Of beautiful pinkish color. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 30c.; lb., \$1.00.

EARLY FLAT DUTCH OR WHITE TOP STAP-LEAVED—A standard variety; good size; pure white; small top, with but few leaves; very sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 45c.

EARLY WHITE EGG—Egg-shaped variety for spring or fall sowing; flesh white, firm, fine grained, mild and sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 45c.

YELLOW STONE—One of the best yellow-fleshed varieties for table use, and equally good for feeding stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.



Improved American Ruta Baga.

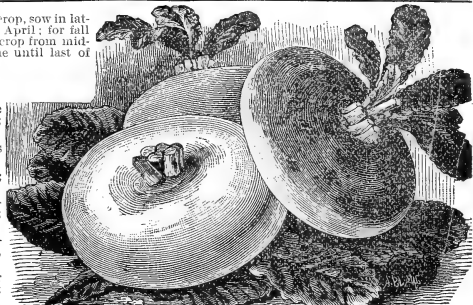
PURPLE TOP WHITE GLOBE—A variety of decided merit. Globular shape, very handsome, and of superior quality, either for the table or stock. A heavy producer, early, of rapid growth, and an excellent keeper. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

YELLOW GLOBE, or AMBER JELLY—Rapid grower; grows to a large size; excellent for table use or stock; keeps well until late in the spring. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

GOLDEN BALL, or ORANGE JELLY—Rapid grower; globular shape; bright yellow; a superior table variety, or for stock. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

LARGE WHITE GLOBE—Large, round, white turnip, with firm, sweet flesh. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

For early crop, sow in latter part of April; for fall and main crop from middle of June until last of August.



Early White Flat Dutch.

Purple Top Strap Leaf.

PURPLE TOP STRAP-LEAVED—The well known, popular variety, either for family or market use; large size; white; purple above ground; flesh fine grained. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 40c.

LONG WHITE, or COW HORN—Grows very thickly, partly above ground; very productive; flesh white, fine grained, sweet. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Ruta Baga Varieties.

The Ruta Baga varieties should be sown a month earlier than Turnips, as they require longer to mature.

IMPROVED AMERICAN (Purple Top)—Very hardy and productive; flesh yellow, sweet and solid; good for stock or table use. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 45c.

WHITE RUSSIAN, or LARGE WHITE—Grows very large; excellent for table or stock; flesh firm, white, solid; has a very rich and sweet flavor. Best keeper of any. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 45c.

LONG ISLAND IMPROVED PURPLE TOP—This is undoubtedly the best variety of Purple Top Ruta Baga, and is twice the size of the ordinary stocks. Pkt., 5c.; oz., 10c.; $\frac{1}{4}$ lb., 20c.; lb., 50c.

Miscellaneous Farm Seeds

The prices given below are **Net Cash, free on cars, this city**, purchasers paying all transportation charges. At the prices quoted here we make no charges for bags or cartage. The prices quoted are subject to market fluctuations. Should any article seem high, or when customers are in need of large quantities, we will be pleased to quote them, **on application, the Lowest Price that the Market will justify at the time.** Please state quantities when writing for prices.



Sorghum, or Sugar Cane.

It has been, and still is, a grave question with stockmen and dairymen to know what forage crop to grow, and how to grow it, so as to lessen the cost of wintering their herds or tide them over a protracted drouth and still keep them in a thriving condition. We believe we have found the cure in our selected Sorghum seed. After several years trial we give it as our opinion that Sorghum will produce the best results at the least expense of any forage plant now in use. When properly planted, grown and harvested it has produced from 5 to 12 tons of cured fodder, of excellent quality, per acre. On account of its drouth enduring qualities and ability to adapt itself to varying conditions of soil and climate, together with its feeding value, makes it one of the best crops that can be grown for forage. Enough seed should be sown to have the stand thick, like rye or wheat, and we would advise 75 to 100 lbs. seed per acre. Have your land in fine condition and use an ordinary wheat drill, all holes open, or sow broadcast, and cover from one-half to two inches deep. Sow from 15th of May to 15th of June. When properly matured, or about Oct. 1st, cut with a corn harvester, self-binder or mower; after one to three days sun put in shocks loosely, two and two. Do not attempt to keep a large bulk of Sorghum hay in mows. If it be stacked, build stacks long and narrow. For this latitude there are no better varieties than the **EARLY AMBER** and **EARLY ORANGE**, and give entire satisfaction for forage or syrup.

EARLY AMBER CANE—The earliest, and makes the finest quality of both forage and syrup. Well cleaned seed. Postpaid—Oz. 5c; lb. 30c; 3 lbs. 75c. By Express or freight—10 lbs. 50c; 50 lbs. \$2.00; 100 lbs. \$3.50.

EARLY ORANGE CANE—A strong grower; stalk heavier and a little later than the Amber. Well cleaned seed. Postpaid—Oz. 5c; lb. 30c; 3 lbs. 75c. By Express or Freight—15 lbs. 50c; 50 lbs. \$2.00; 100 lbs. \$3.50.

Write for Prices on Larger Quantities, stating amount you can use. Will send samples if desired.

Winter and Spring Wheat, Rye and Barley.

PRICES ON APPLICATION in season on several GOOD KINDS.

PRICES ON ANY OF THE ABOVE SEEDS IN LARGER QUANTITIES GIVEN UPON APPLICATION

Japanese Barnyard Millet

A new Millet from Japan, introduced into this country by Prof. Brooks, the Massachusetts Agricultural College. It is one of the best ever sent out, especially for green fodder. Cattle and horses eat it readily. The seed is considered equal in value to corn meal for milk production. It also makes excellent poultry food. The leaves are larger than Hungarian or German Millet, and the crop much heavier. We consider this Millet one of the greatest food producers that has been offered in years. It grows 6 to 8 feet high; (see illustration.) When sown thickly for fodder, cows are fond of it, and when fed on it an increase of milk is noticeable at once. It has yielded over 20 tons per acre and succeeds best in a moderately moist soil. It may be sown from May 15th to July 1st. Excellent either green or cured as hay. By Mail, postpaid—Oz. 5c; 4 ozs., 15c; lb. 30c; 3 lbs. 75c. By Express, not paid—Oz. 5c; 4 ozs., 15c; lb. 30c; 3 lbs. 75c. 25 lbs. \$2.50; 50 lbs. \$3.25; 100 lbs. \$6.00. Twenty-five pounds will sow an acre.

Kaffir Corn The Great Dry Weather Crop.

This Non-Saccharine Cane is one of the best of forage plants. It is the greatest grain producer of the Cane family, and it is greedily eaten by all domestic animals, whether fed in the grain or ground and cooked. Valuable as a substitute for Buckwheat flour. For grain sow at the rate of 5 to 7 pounds per acre and cultivate same as corn; average yield, 50 bushels per acre. For hay, sow in drills or broadcast at the rate of 50 to 75 lbs. per acre, and cut when seed is coming to the dough stage makes a very valuable hay, of good quality, and will yield from 8 to 10 tons per acre. Try a few acres and surprise your herd with plenty of feed. By Mail, postpaid—Oz. 5c; 1/4 lb. 10c; lb. 25c; 3 lbs. 50c. By Express or Freight—10 lbs. 60c; 25 lbs. \$1.25; 50 lbs. \$3.00; 100 lbs. \$3.75.

Teosinte

A prolific forage plant. Four pounds of seed is sufficient for an acre. Pkt. 5c; oz. 10c; 1/4 lb. 35c; lb. \$1.25.

HAIRY VETCH.

The most valuable of all the Vetches. Succeeds on all soils; does not suffer from extremes of drought, heat or cold. Sown in August or September it will cover the ground with a dense forage, which, in the Southern States, will afford abundant pasture throughout the entire winter. Sown in spring, it quickly produces a most luxuriant crop. Sow 40 to 50 lbs. per acre. Postpaid—Oz. 5c; 4 ozs. 15c; lb. 35c. By Express or Freight—Pkt. \$2.75; bus. (60 lbs.), \$10.00.

SPRING VETCHES, or TARES.

A good forage plant; also used for plowing under. Sow 2 bushels to the acre, broadcast like Wheat or Barley. Used in France and Canada as a substitute for peas; also ground into flour and mixed with wheat flour for making bread. Postpaid—Oz. 5c; 4 ozs. 15c; lb. 35c. By Express or Freight—4 qts., 60c; Pkt. \$1.95; bus. \$4.00.

Buckwheat

Should be sown about the middle of June, broadcast, using from 1 to 3 pecks of seed to the acre.

NEW JAPANESE—This new sort has proven to be much earlier and more productive than any other variety. Grains very large and of a light gray color. It excels all in yield and earliness. Postpaid—Oz. 5c; 4 ozs., 15c; lb. 30c; 3 lbs., 60c. By express or freight—Pkt. 45c; bus. \$1.40.

SILVER HULL—A very good and popular variety. The grain is of a light gray color, is rounder than the common variety, has a much thinner hull, matures earlier and yields a half more to the acre. Postpaid—Oz. 5c; 4 ozs., 15c; lb. 30c; 3 lbs., 60c. By Express or Freight—Pkt. 45c; bus. \$1.40.

Barley.

NEW BEARLESS SUCCESS—A very early variety. Straw about the height of common Barley, but better, and will stand up on any land; with good land and season has produced 80 bushels per acre. It will if sown early, ripen 4 or 5 days before rye, and, being bearless, handles as easily as oats and makes a stronger feed. Postpaid—Oz. 5c; 4 ozs., 15c; lb. 30c; 3 lbs., 60c. By Express or Freight—Pkt. 40c; bus. \$1.25.

MIXED GRASSES

For Meadows and Pastures—Under this head we are prepared to furnish seeds adapted to all soils and all situations and all purposes, composed of grasses for light soils, for medium and for heavy soils. By light soils we mean that which is more or less of a sandy or gravelly nature; the heavy, clay and heavy loams, while the medium is an intermediate between these two. A light wet soil, with respect to the grasses suited to it, may be considered same as to the heavy soils, and a dry, heavy soil more as the light soils. Write us for what you want, giving nature of soil, number of acres, etc., and we will, with pleasure, give you estimates and terms.

Grass and Clover Seeds

These seeds are selected with special reference to their quality. Purchasers may rely upon our best exertions to furnish Grass and Field Seeds fresh, pure and free from noxious and foreign seeds. Samples, for comparison, cheerfully sent, if requested.

Owing to the varying bulk of grass seeds, from season to season, due to climatic condition and modes of cleaning, they are always put up by weight, and not by measure, thereby securing to our customers the amount they pay for, as prices are based on weight, not on bulk. (The number of pounds to the bushel, in brackets, is the old way of offering grasses, and is mentioned merely for reference.) Prices on grass seeds are changing (almost daily) and we can only give prices subject to market fluctuations. Bags included at prices given. **Our single pound prices include postage paid by us.** Please bear this in mind when comparing our prices with those of other seedsmen who require postage added to quotations.

THOSE WANTING SEEDS IN LARGER QUANTITIES THAN HERE QUOTED SHOULD WRITE US FOR SPECIAL PRICES.

KENTUCKY BLUE GRASS—June Grass—(*Poa pratensis*)—Universally known; desirable for pastures and lawns. Sow in fall or spring at rate of 30 to 40 lbs. per acre. (Bus. 14 lbs.) **Fancy Clean Seed—**Lb., 30c.; 10 lbs., \$1.30; 100 lbs., \$11.00.

AWNLESS BROME GRASS (*Bromus inermis*)—Will stand long droughts and produce heavy crops in dry seasons where other grasses would perish. Has also proven one of the hardiest grasses. Especially desirable for permanent pasture. Succeeds in a wide range of temperature than any other grass. Sow 25 to 30 lbs. per acre. (Bus. 14 lbs.) Lb., 30c.; 10 lbs., \$1.80; 100 lbs., \$16.00.

TIMOTHY (*Phleum pratense*)—Well known variety. When ready to buy, write us for latest prices, whether you want a bag or a carload. Sow 8 lbs. per acre. (Bus. 45 lbs.) **Prime Seed—**Lb., 20c.; 10 lbs., \$1.00; 100 lbs., \$8.00. **Choice Seed—**Lb., 20c.; 10 lbs., \$1.20; 100 lbs., \$8.50.

WOOD MEADOW GRASS (*Poa nemoralis*)—Adapted for pasture or pleasure grounds; of early growth; thrives under trees. Sow 25 to 30 lbs. per acre. (Bus. 14 lbs.) Lb., 65c.; 10 lbs., \$5.00; 100 lbs., \$45.00.

TALL MEADOW OAT GRASS (*Avena elatior*)—Used for soiling. Succeeds well in sandy lands, and, owing to its long, fibrous roots, stands cold and drought well. Sow 25 to 30 lbs. per acre. (Bus. 10 lbs.) Lb., 35c.; 10 lbs., \$2.00; 100 lbs., \$15.00.

SWEET VERNAL (*Anthraxanthum odoratum*)—Very fragrant. Mixed with other grasses for pasture it is quite valuable, as it starts early in the spring and grows until late in the fall. Sow 35 lbs. per acre. (Bus. 10 lbs.) Lb., 90c.; 10 lbs., \$8.00; 100 lbs., \$75.00.

CRESTED DOGSLIP (*Cynosurus cristatus*)—May be sown on lawns; forms a close turf, maintaining green a long time; valuable for sheep pasture; succeeds on dry, hard and gravelly soil. Height 1 to 1½ feet. Sow 25 lbs. per acre. (Bus. 21 lbs.) Lb., 40c.; 10 lbs., \$3.50; 100 lbs., \$30.00.

SHEEP'S FESCUE (*Festuca ovina*)—Grows naturally on light, dry, sandy soils and mountain pastures; considered quite valuable mixed with other grasses for permanent early spring pasture. Sow 15 lbs. per acre. (Bus. about 12 lbs.) Lb., 35c.; 10 lbs., \$2.00; 100 lbs., \$15.00.

CREEPING BENT GRASS (*Agrostis colonifera*)—Excellent for pasture when mixed with other grasses; succeeds well in moist situations, and thrives in moist land. Sow 40 lbs. per acre. (Bus. 14 lbs.) Lb., 30c.; 10 lbs., \$2.50; 100 lbs., \$20.00.

GERMAN, or GOLDEN MILLET—True Southern grown German Millet seed is far superior to Western grown seed. True Southern German Millet will grow in any climate or soil, and when properly grown and handled makes an enormous yield any time between May 1st and June 15th, and the crop cut while it is in bloom, before the seed hardens in the head. Prepare the ground well before sowing. Cover with a single stroke of a light harrow, or roll without harrowing, or it may be sown with a wheat drill, barely covering the seed. (Bus. 50 lbs.) Lb., 30c.; 10 lbs., 70c.; 100 lbs., \$6.00.

HUNGARIAN GRASS—A very valuable forage plant of the Millet family, but not so common. Sow and cultivate same as Millet, and quite a favorite with stockmen. (Bus. 45 lbs.) Lb., 30c.; 10 lbs.; 50c.; 100 lbs., \$4.00. **Western Grown Millet, market price.**

Parties wishing to buy Large Quantities will do well to get samples and prices before placing their orders. We are in position to handle it on a close margin and supply the finest grades. Samples will be sent free upon application.

MEDIUM, or COMMON RED TRIFOLIUM (*Trifolium pratense*)—The Clover seed of commerce, and the most important and valuable of the Clover family for agricultural purposes. Sow 10 lbs. per acre. (Bus. 60 lbs.) Lb., 30c.; 10 lbs., \$1.50; 100 lbs., \$14.00.

ALSIKE, or HYBRID, Swedish (*Trifolium hybridum*)—Hardest of all clovers. On rich moist soil it yields large quantities of hay or pasture. Will thrive about ponds or in low wet soils. It has fibrous roots. Esteemed highly by bee keepers. Sow 5 lbs. per acre. (Bus. 60 lbs.) Lb., 35c.; 10 lbs., \$2.00; 100 lbs., \$18.00.

MAMMOTH CLOVER (*Trifolium pratense perenne*)—Valuable with other grasses for mixed hay. Sifts about with Timothy. Being a runner, it is used largely for plowing under. Sow 10 lbs. per acre. (Bus. 60 lbs.) Lb., 35c.; 10 lbs., \$1.50; 100 lbs., \$14.00.

CRIMSON CLOVER (*Trifolium incarnatum*)—Being an annual it must be sown in July, August and September of each year, which, the spring following, can be cut for soiling by April 20th, or earlier. May 1st to 15th for seed about the first week in June. Can be sown with corn, or any cultivated crop. Sow 10 to 15 lbs. per acre. Cover lightly. Use only American grown seed. (Bus. 60 lbs.) Lb., 30c.; 10 lbs., \$1.50; 100 lbs., \$12.00.

ALFALFA, or LUCERNE (*Medicago sativa*)—Delights in plenty of sun; must be sown at the rate of 20 to 25 lbs. per acre when sown in broadcast. Sow on well drained, well fertilized, deep soil after danger of freezing is over, and prefers sand or gravel sub-soil. Wet sub-soil is fatal to the plant. Roots from 3 to 15 feet deep, and when well established lasts for years. 2 to 3 crops a year can be cut. Not recommended for pasture. (Bus. 60 lbs.) Lb., 30c.; 10 lbs., \$1.40; 100 lbs., \$13.00.

WHITE DUTCH—See next page.

Changes without notice. | "Grass Talks." 32 pages. Treats on Grasses, Clovers, etc. Free to customers on request. 20c. to others



Blue Grass.



Meadow Fescue.



Red Top.



Orchard Grass.

Above Prices subject to Market



Brome Grass.

RHODE ISLAND BENT GRASS (*Agrostis canina*)—Valuable for lawns. Sow 35 to 50 lbs. per acre for lawns, 20 to 30 lbs. for pasture. (Bus. 12 lbs.) Lb., 35c.; 10 lbs., \$2.50; 100 lbs., \$20.00.

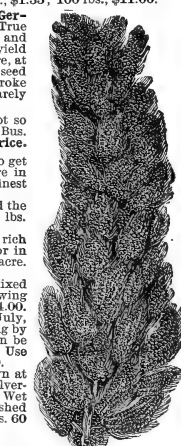
PERENNIAL RYE GRASS (*Lolium perenne*)—Very nutritious; valuable for meadows or permanent pastures; rapid grower. Sow 25 to 35 lbs. per acre. (Bus. 24 lbs.) Lb., 25c.; 10 lbs., \$1.00; 100 lbs., \$8.00.

MEADOW FESCUE (*Festuca pratensis*)—Thrives in all soils; excellent for permanent pastures; starts early, very productive. Sow 25 to 35 lbs. per acre. (Bus. 24 lbs.) Lb., 35c.; 10 lbs., \$2.50; 100 lbs., \$20.00.

HARD FESCUE (*Festuca duriuscula*)—Not very productive, but it is of a very fine quality, and thrives well in dry situations where many other grasses would fail, thus making a desirable pasture. Sow 25 to 35 lbs. per acre. (Bus. about 12 lbs.) Lb., 35c.; 10 lbs., \$2.00; 100 lbs., \$18.00.

RED TOP GRASS (*Agrostis vulgaris*)—Thrives well in any soil, but best on low land; produces a firm sod. Sow 15 to 25 lbs. per acre. (Bus. 14 lbs.) **Fancy Clean—**Lb., 30c.; 10 lbs., \$1.75; 100 lbs., \$18.00.

ORCHARD GRASS (*Dactylis glomerata*)—Extremely hardy and widely known. One of the earliest to start in spring; grows rapidly; furnishes an abundance of pasture the entire season. Sow 20 to 30 lbs. per acre. (Bus. 14 lbs.) Lb., 30c.; 10 lbs., \$1.35; 100 lbs., \$11.00.



Head of Millet from Southern Grown Seed

LIVINGSTON'S LAWN SEED FOR ALL PURPOSES.



If sown at the right time, on properly prepared soil and in proper quantity will produce a thing of beauty.

The first condition of success in securing a good lawn is a due regard to the relation between soil, situation and climate on the one side, and the different varieties of grasses on the other. As every grass has its own peculiar habitat, the whole subject resolves itself into two questions.

First what varieties are suitable for lawns and at the same time, adapted to the condition and situation. Second soil and climate. Each of which every one will have to solve in part for himself, our mission being to point the way and offer suggestions, yours to execute.

In making a new lawn, the soil should be carefully cultivated to the depth of about one foot, carefully graded to the desired level and well rolled, after which a light raking will prepare it properly for the reception of the seed. The soil should be good but not too rich, as the grass is apt to grow over rank in such soil. The ground may be prepared as early in the spring as it is possible to work the same, or what would be better, prepare in the fall and the seed sown in the spring as early as the ground can be got in good order. *Never sow oats or other grain as a nurse crop for lawn grass.* Strong growing plants use up the fertility and moisture that should be conserved for the tender grass plants.

When the grass is ready for its first cutting, give the lawn a good rolling two or three days ahead, choosing damp weather, or the cool of the day, setting the mower as high as possible, not cutting too close to the ground until the lawn is well established, about once a week in favorable growing weather is often enough, but not so often in dry weather. Use the lawn sprinkler or hose freely and roll occasionally, especially

in the early spring after the frost comes out of the ground and before it settles or becomes hard with spring rains.

Remember, it is essential to dig the soil deep, prepare thoroughly, sow high grade seed liberally at the right time, and not less than four bushels per acre.

Old Lawns are greatly benefited if given a thorough raking as early in the spring as the weather will permit, and then some fresh grass seed sprinkled on, which will renew the thin places and spots that have been killed out by the weeds and other causes. The unsatisfactory condition of many of our lawns is often due neither to climate nor neglect, but to the mistake of sowing unsuitable grasses on imperfectly prepared soil.

Time to Sow. Lawn seed can be sown at almost any time from early spring to late in the fall, but the best time is very early in the spring, or again in September and October, depending somewhat on the condition of the season at time of sowing.

For Grassing a Terrace. We can do no better than recommend the old and tried receipt, as follows: Take for each square rod a pound of lawn grass seed, and mix it with about six cubic feet of good, dry garden loam. Place it in a tub and add liquid manure, diluted with about two-thirds water until the mixture has the consistency of mortar. Make the slop perfectly even and smooth, water it well, then apply the paste in a thin, even coat.

Fertilizers of some good kind should be used every spring at the rate of 400 to 600 lbs. per acre.

Livingston's Capital Lawn Seed Mixture. A Pound of Our Mixture will Sow About 500 Square Feet. (20 x 25 Feet.)

We have made the subject of Lawns a study for many years and this mixture has been prepared and sold by us in all parts of the country, giving general satisfaction. In making a lawn great care should be taken to use only the very best quality of suitable lawn seed so as to produce a soft, velvety, evergreen sod.

Our Mixture weighs about 20 pounds to the measured bushel and is not surpassed by any on the market.

Quantity of Seed Required to Sow an Acre (43,560 sq. ft.) For new lawns, not less than four bushels; for renovating old lawns, from one to two bushels.

PRICE—FIRST QUALITY, per lb., 25c.; 5 lbs., \$1.00; 1 bus., \$3.50; 2 bus., \$6.50; 5 bus., \$15.00. If to go by mail, add to the above prices 10c. per pound for postage.

SECOND QUALITY, per lb., 20c.; 3 lbs., 50c.; 1 bus., \$3.00; 2 bus., \$5.50; 5 bus., \$12.00.

Livingston's Lawn Seed Mixture can be had with or without White Clover, as customers prefer.

OUR LAWN GRASS MIXTURE FOR SHADY SITUATIONS.

On nearly all lawn there are shaded bare and unsightly spots on which the owners have difficulty in getting a stand of grass; for such places this mixture is adapted. Should the ground have become "sour," or the drainage defective, it is apt to be covered with moss. If such is the case apply some lime or plaster to sweeten it, after first removing the moss, then rake thoroughly and sow the seed at the rate of not less than 4 bushels per acre. Price—Lb., 40c.; 5 lbs., \$1.75; bus., \$6.50. If to go by mail, add to above price 10c. per lb. for postage.

OUR GRASS MIXTURE FOR TENNIS LAWNS, ETC.

A mixture composed of low-growing, hardy grasses suitable for grounds of this character. Price—Lb., 40c.; 5 lbs., \$1.75; bus., \$6.50. If to go by mail, add to the above price 10c. per lb. for postage.

WHITE DUTCH CLOVER—The best variety for lawns, as it forms a close herbage and remains green throughout the season. Sow in spring at the rate of 5 pounds per acre when sown alone, half the quantity when sown with other grasses. (Bus., 60 lbs.) Lb., 35c.; 10 lb., \$2.00; 100 lbs., \$25.00. If to go by mail, add 10c. per pound for postage.

KENTUCKY BLUE GRASS.

Many prefer plain Blue Grass to a mixture, and it cannot be denied that it produces a beautiful and lasting lawn. It takes longer, however, to get it established. Price—(Fancy clean seed)—Lb., 20c.; 3 lbs., 50c.; bus., (14 lb.), \$2.00. If to go by mail, add to the above price, 10c. per pound for postage.

LAWN FERTILIZER.

Old and New Lawns require Stimulating after the long drag through winter, or in the fall after the season of cutting and the heat of summer. For this purpose our high grade bone meal is the best adapted to the wants of the lawn. It should be sown broadcast, from the middle of February to first of May for spring and from September to November in the fall. In preparing a new lawn use a liberal quantity and rake it in thoroughly before sowing the seed. 10 lbs. enough for 250 square feet. 10 lbs., 50c.; 25 lbs., \$1.00; 50 lbs., \$1.50; 100 lbs., \$2.50.

CANADA HARD-WOOD ASHES—Splendid as a lawn dressing. Should be applied late in fall or early in spring, so that the rains and snows may leach the ashes and carry the elements down to the roots of grass. Our ashes are screened and are in proper condition for household use. Apply at the rate of 75 lbs. to 1000 square feet. 50 lbs., 75c.; per bbl., of 200 lbs., \$1.75; ton, \$15.00.

GOLF LINKS MIXTURE—We make a mixture of grasses suitable to the purposes of the Golf Links, as it will stand rough usage. We can also make up any desired mixture if formula is submitted. Let us name you prices on our own or your mixture.

"GRASS TALK." A 32 page pamphlet treating on Grasses, Clover, Pasture, Millet and how to make and care for a lawn. Free to customers on request. 20 cents to others.

For LAWN MOWERS, ROLLERS and other lawn requisites see next page.

Livingston's Lawn Requisites

The Imperial Lawn Mower.

One of the very best Mowers sold. The knife bar is bolted to side frames, making it rigid. The adjustment of revolving cutter to knife is perfect, the wear being instantly taken up. The improved style of gear remains stationary when machine moves backward, hence less wear than with other makes. It can be sharpened in two minutes by the use of a wire nail, some oil and emery; not necessary to remove any parts, as with all other makes. It is especially adapted to terrace cutting. They have been known to last 15 years and do good work.

The Cadet

is a good Lawn Mower at a medium low price, and gives the purchaser full value for his money. It has brass bushings and the same ratchet and adjustment that are used on many of the high grade Mowers. The gears are fine cut, and it is in every respect what is needed at the present time, viz., a Mower that will do good service, and at a cost but little higher than the poor trash that is put out so freely at this price.

PRICES.

12 inch, \$3.50
14 inch, 3.75
16 inch, 4.00

LOW WHEEL, (8 1/2 ins.),
12 inch cut, \$5.50
14 inch 7.00
16 inch 7.75
HIGH WHEEL (10 1/2 ins.),
14 inch 6.00
16 inch 9.00
18 inch 10.00

HIGH WHEEL IMPERIAL MOWER.

APOLLO LAWN SWEEPER

It removes Cut Grass, Leaves, Paper, etc., rapidly and without injury to the growing grass—in fact, it is of real benefit, making a thick and velvety turf of a bright green. All foreign and dead matter, being removed by the Apollo, does away with the brown shade so common to many lawns. Will also sweep walks, sidewalks, etc., as well. Brush made of Tapico, a tough fibre, which does not tear the grass. Nicely finished and made for hard service.

PRICES.

20 inch, \$8.00. 24 inch, \$9.00.
28 inch, \$10.00.

Grass Edger

Lawn Rakes.

A great variety.
All styles and all
prices. 50c to 75c.

Used for trimming the grass along walks and around beds, trees, etc. Can also be used as a Scuffle Hoe. Handy, rapid, durable, cheap. Price, 75 cents.

GRASS EDGER.

"Planet Jr." Grass Edger

Extreme Neatness is the great secret of attractiveness in grounds surrounding a house. This Grass Edger assists wonderfully in producing this effect. It will edge either straight or curved work, paths, drives, open borders or flower beds, at a speed of a mile an hour. It should be the constant companion of the lawn mower.

Strawberry Growers will find the Grass Edger, with the hoe removed, a rapid and perfect tool for cutting off surplus runners. Price, \$6.00.

Hand Lawn Roller.

This is an implement that is absolutely necessary if you wish a really fine lawn. In no other manner can a smooth, compact surface be maintained. It packs the soil, thus retaining the moisture throughout the entire season, enabling the young and tender grass to secure the necessary nourishment. It is made in two sections so that in turning it does not injure the grass by rubbing. Entire width, 2 feet. diameter, 20 inches; weight, 225 pounds.

Price, each, \$8.00.

We can furnish **Extra Weights**, two of which can be put inside of each section and attached to axle with set screw. Weight, 25 pounds. Each, 90c.

Wheelbarrows

From \$3.50 up.

GRASS HOOKS

Several Styles.
25c. to 75c.

HAND LAWN ROLLER.

"Out o' Sight" Mole Trap

Claimed to be the best Mole Trap ever offered, and only has to be tried to be appreciated. Can be used in hot-beds under sash. The secret of mole catching is a good trap, and to know their habits. Full directions sent with each trap.

By Mail, 85c. By Express, 75c.

STAR LAWN ROLLER. No. 1, length 18 inches, weight 210 lbs. Price, \$4.00
No. 2, length 20 inches, weight 360 lbs. Price, \$6.50

Seed Corn.



Yellow Clarage.

The varieties of Field Corn we offer are the best in general use. They are all well matured, cured, and shelled with great care. We test all varieties before sending out, that there may be no doubt as to vitality if properly planted and the conditions are favorable. **TO AVOID DELAY** when ordering **LATE IN THE SEASON**, it would be well to mention your second choice, or state whether we shall send a sort adapted to your locality or refund the money, provided we are sold out of your first choice at the time your order arrives.

The Unusual Demand for Seed Corn this season, caused by the general failure of the Corn crop in 1901, may tempt unscrupulous dealers to offer stocks that have not been properly cared for to make good seed—stocks taken from exposed cribs, not properly sorted, shelled or tested. In justice to our friends, as well as ourselves, we caution you against using seed corn that is being offered at less prices than given here.

It only costs about 25 cents to 30 cents an acre to use our **Carefully Selected and Tested Seed Corn.**

IS IT WISE TO RISK DOUBTFUL CORN FROM THE CRIB?

PRICE on any of the following varieties of Field Corn, by mail, postpaid—Sample ear, 25c., large packet, 5c.; quart, 30c. By Express or Freight (at buyer's expense).—6 Select Ears, 30c.; quart, 15c.; 4 quarts, 30c.; peck, 50c.; bus., \$1.60; 5 bus., \$7.25; 10 bus., \$13.50. Sacks are furnished free.

NEW WHITE COB EARLY DAWN This is a new White Dent pure white kernels are bright and glossy; small white cob; stalks often bear two good ears; grains grow well over tips of cobs; matures in 90 to 100 days. A good yielder, adapted to all corn growing localities; gives universal satisfaction; excellent for any soil; better yielder on clay land than any of the yellow kinds. Unsurpassed for high grade corn meal and flour.

PRIDE OF THE NORTH The very earliest Yellow Dent Corn in cultivation, and can be successfully grown further North than any other Dent. Originated in extreme Northern Iowa. Ripens readily in New England. Matures perfectly in 90 days; very hardy and prolific; ears of uniform size, cob small, kernels set closely on the cob, and are long and compact.

TRUE YELLOW CLARAGE Best Second Early. Sure to Ripen. It has been grown extensively by farmers in this locality for over 50 years. It ripens between the Pride of the North and Leaming. The ear is nearly as large as the Leaming, very uniform its entire length, and well filled out at both ends; husks very easily; of rich golden color, and very productive. In favorable seasons it has ripened here when planted as late as the first of July. Highly recommended by the Ohio Experiment Station as one of the best in points of early maturity, productiveness and feeding qualities.

TRUE YELLOW LEAMING An extensively grown large Yellow Dent variety. Has pure glossy yellow ears growing low on a strong, heavy stalk; grains square and deep; ripens quite early, frequently maturing in 100 days from planting; will yield, on good soil, with proper tillage and a favorable season, from 75 to 100 bushels per acre.

MAMMOTH WHITE DENT A large eared variety, combining all the good points required in corn growing sections. It has a broad, very deep, pure white kernel and cob—in fact a stray red cob will hardly be found in a thousand bushels; grades strictly white in any market. It is very desirable for white corn meal, and those desiring a large white corn cannot fail to be pleased with it. We have sold this excellent corn for several years past and it continues to grow in favor annually. We pronounce it the best large White Dent of which we have any knowledge.

WHITE CAP YELLOW DENT Suitable for all soils, grows large ears and matures early; grows strong, rank and thick, and, it is claimed, will produce more corn on poor, thin soil, than any kind in cultivation. Tip end of the grains are white, inside, white, making it a beautiful color.

POP CORN **WHITE RICE**—The best variety for popping purposes, grains pointed, pops white and full, is very productive, and of excellent quality. By mail, postpaid, 2 Nice Sample Ears, 10c.; pkt., 5c.; $\frac{1}{4}$ lb., 15c.; lb., 25c.; 3 lbs., 60c. By Express, not paid, 10 lbs. for \$10.00; 20 lbs. for \$15.00; 40 lbs. for \$27.50.

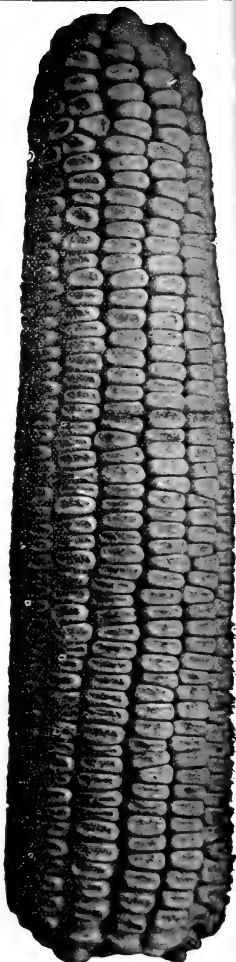
FODDER AND ENSILAGE CORNS

By Express or Freight at Buyer's Expense.

SWEET OR SUGAR—There is nothing better for early fall green feed, or for curing for winter than Sweet corn. It has the great merit of being so sweet and palatable that cattle eat every part of the stalk and leaves. A favorite with dairy farmers. Also excellent for silage. Can be planted as other corn or sown thickly in drills or broadcast. Peck, 85c.; $\frac{1}{2}$ bus., \$1.00; bus., \$3.00. 2 $\frac{1}{2}$ bus. bag for \$6.25.

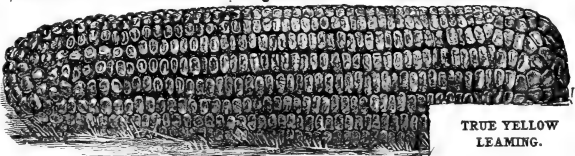
RED COB ENSILAGE—Crop failed. We would suggest that the Mammoth White Dent be used in its place as it is equal to Red Cob for ensilage purposes. Pk., 50c.; bus., \$1.60; 2 $\frac{1}{2}$ bus., \$3.75.

LEAMING CORN—Very highly recommended by Gregory and other authorities as the best of the large variety for the silo. Peck, 50c.; bus., \$1.60; 2 $\frac{1}{2}$ bus., \$3.75; 3 bus., \$7.25; 10 bus., \$13.50.



Mammoth White Dent.

If Larger Quantities of these Corns are desired, Write us for Lowest Prices and Freight Rates.



TRUE YELLOW LEAMING.

Livingston's New Golden Surprise Corn
SEE NOVELTY PAGES.

SEED OATS.



GREEN MOUNTAIN OATS.

THE POINT OF EXCELLENCE are, medium early strong straws, of medium height, heads well-filled with long white grain, thin hull, good yield, and not inclined to smut or rust. We offer them with confidence, as they have held their own at the Ohio Experiment Station on the trial grounds, and was selected from its group as one of great promise. (Postpaid), large pkt. 10c; lb. 25c; 3 lbs. 60c. Express or Freight—Peck, 30c; ½ bus. 50c; bus. (32 lbs.) 90c. Bags of 2½ bus. \$2.10; 5 bus. \$4.00; 10 bus. \$7.50. SACKS FREE.

EARLY WHITESWEED OATS We introduced to our trade some years ago this valuable new variety, and find it fully up to our claims and expectations. It has been well tested in various localities. It is early, white and productive, with a good straw. Postpaid—lb. 25c; 3 lb. 60c. By Express or Freight—Peck, 30c; bus. (32 lbs.) 90c; bag of 2½ bus. \$1.75; 5 bus. \$3.25; 10 bus. \$6.00. SACKS FREE.

AMERICAN BANNER OATS—Invariably yields large crops. Grains large, white and plump; ripens early, has stiff straw of good length. Postpaid—lb. 25c; 3 lbs. 60c. By Express or Freight, Peck, 30c; bus. (32 lbs.) 90c; 5 bus. \$3.25; 10 bus. \$6.00. SACKS FREE.

OUR NEW EARLY RIPE OATS.

This is a grand new Oats. It is of medium length straw, stands up well, grain white, medium size and good yield. We grew 65 bushels per acre on our own farm without any special preparation, and have reports of 85 bushels and over from other growers. **Extreme earliness is a very strong point.** The grower of this variety can cut his wheat and oats at the same time, going from the wheat field to the oats, thus finishing the harvesting and threshing of both crops at once. He also takes less risk of storms and rust by a week or ten days. Postpaid—4 oz. pkt. 10c; lb. 30c; 3 lbs. 75c. By Express or Freight—Peck, 35c; ½ bus. 60c; bus. (32 lbs.) \$1.00; bag, (2½ bus.) \$2.25; 5 bus. \$4.25; 10 bus. \$8.00. SACKS FREE.

Special Prices on Larger Quantities of Oats on Application.

Peanuts.

VIRGINIA IMPROVED—The Mammoth Virginia Peanut is a very profitable variety to grow, is easily cultivated; very erect stem; largest pods and kernels with fewer imperfect pods of any variety.



SPANISH PEANUT—Earliest Variety Grown—Pods small, remarkably full, well filled of extra fine quality, and the yield per acre very large. Postpaid—Large package, 10c; ½ lb. 20c; lb. 35c; 3 lbs. \$1.00. By Express—4 lb. 50c; 10 lbs. or over, 10c per pound.

Chufas,

or **Earth Almond**—A species of "grass nut," of very sweet flavor, resembling the coconut or almond. They are very productive—a single nut yielding a hundred or more. Interesting for the children to grow, but they must watch the pigs and chickens, as they like Chufas too. One peck of seed per acre. Soak seed over night before planting. Pkt. 10c; qt. 35c. By Express—Peck, \$1.50.

Mammoth Russian Sunflower.

An immense yield—125 bus. seed to the acre have been grown at less expense than corn. Very highly recommended for poultry, best egg-producing food known. Good feed for horses also. (Postpaid)—Oz. 5c; ½ lb. 15c; lb. 25c. By Express or Freight—10 lbs. \$1.00; 25 lbs. \$2.00; 100 lbs. \$6.00.

Tree Seed.

CATALPA (Speciosa)—A rapid grower and makes the best timber trees. Postpaid—Pkt. 5c; oz. 10c; ¼ lb. 25c; lb. 80c.

RUSSIAN MULBERRY—Easily grown; hardy; fine hedges; makes fence posts in five years; fruit good. Pkt. 10c; oz. 20c; ¼ lb. 75c; lb. \$2.50.

PRICES ON OTHER TREE SEEDS GIVEN ON APPLICATION.

Wild Rice (Zarania Aquatic)—For fish ponds. Postpaid—Large pkt. 10c; ¼ lb. 15c; lb. 30c. By Express—10 lbs. \$5.00.

Broom Corn. IMPROVED EVERGREEN—

Best variety for general cultivation, on account of color and quality of brush; ripens very early, grows about 8 to 10 feet high, brush of good length, fine and straight, and always of green appearance when ripe. Postpaid—lb. 25c; 3 lbs. 60c. By Express or Freight—10 lbs. \$1.00; 25 lbs. \$1.20; 100 lbs. \$4.00.

Cow or Southern Peas.

There is no surer or cheaper means of improving and increasing the productivity of our soils than by sowing the Cow Peas and plowing under. It makes an enormous growth, and the power to extract nitrogen from the atmosphere and to store it in the vines and roots so that even if the crop is cut off, the land is still enriched and its condition improved. From 5 to 9 tons of green fodder per acre have been produced by the Cow Peas. To grow for hay they are most valuable. For ensilage they are unsurpassed. When it is desired to turn the whole crop under as a soil improver, it is better to do so after the vines are partly dead. A good picking of the dried peas can be made before plowing under. Cow Peas can be sown in May or June, at the rate of 1 to 1½ bus. per acre.

BLACK—Quick to mature; well adapted for late planting and Northern sections; a vigorous grower and great yielder.

WHIPPETWILL—An early bunch growing variety; a great favorite in the North and West; quite prolific.

BLACK-EYE—A prolific vine-growing variety of merit, seed often sold for table use.

WRITE FOR PRICES ON COW PEAS WHEN READY TO BUY.

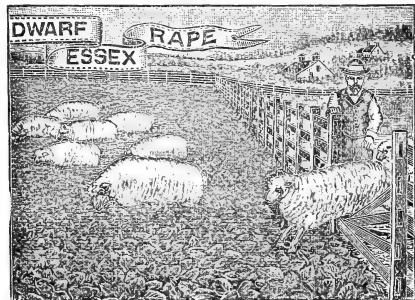
Early Soy Bean.

The Soy Bean is coming right to the front as a great soil enricher, as a food for hogs and cattle, both in the green and dry state. In some parts of the South it is extensively grown only for feeding pigs, and the Agricultural Bulletins throughout the Southern States praise same without stint. If you wish same to plow under in the green state, it is certainly one of the very best plants, next to Cow Peas, to sow, on account of its soil enriching qualities. It will draw from the air and return to the earth just the nourishment needed. Circular on Soy Bean free on application. Our stock is Ohio Grown and extra clean. Postpaid—Oz. 5c; 3 ozs. 10c; lb. 40c. By Express or Freight—Peck, 90c; bus. \$3.25.

Canada Field Peas.

Every year there is more inquiry for Field Peas. Peas stand in the front rank as a fodder crop, especially for hogs. They can be fed green or dry. As a fertilizer they come next to clover, to be plowed under when they commence to blossom; they will grow on land that will not produce clover. Sow 1½ to 2 bushels to the acre, with oats sow 1 bushel of each. Sow peas first and plow under, 4 or 5 inches, oats on top and harrow in. Peck, 50c; bus. \$1.60.

For Larger Qualities write for Prices, stating quantity you can use.



Dwarf Essex Rape

This plant is extensively grown for forage. Farmers who raise much stock and desire to get young cattle, sheep, lambs or young hogs into favorable condition can do it most cheaply by growing this rape. Prepare the ground as for turnips, and sow as soon as frost is out of the ground, and is ready in about 6 weeks. Also sow in June or July, with a turnip drill, in rows 2½ feet apart at the rate of 2½ lbs. of seed per acre. It may also be sown broadcast at the rate of 3 or 4 pounds to the acre. It is not used for hay, and when eaten down before it has made its full growth, will grow up again with more or less vigor. Our stock is the true Essex variety, and not the worthless annual. Postpaid—Oz. 5c; ¼ lb. 15c; lb. 30c; By Express or Freight—10 lbs. \$1.00; 50 lbs. \$4.50; 100 lbs. \$8.00.

ALL PRICES ARE SUBJECT TO MARKET FLUCTUATIONS.
MARKET PRICES AND QUOTATIONS ON LARGER QUANTITIES OF ABOVE SEEDS GIVEN UPON APPLICATION.

Superior Seed Potatoes

IT PAYS TO CHANGE SEED EVERY YEAR.

The necessity for changing Potato Seed often is universally admitted by all well posted growers, but too seldom practiced, especially when the best seed can be had at so little additional outlay. About 8 bushels will seed an acre, and at 25c. to 40c. per bushel additional cost, the whole outlay would be \$2.00 to \$4.00, with an increase in the crop of at least 25 per cent. By using our **Choice Seed Potatoes** you are assured of **Early Maturity, in Northern Grown Seed** increased **Yield and a Vigorous Growth.** Our Northern Growers are Potato Specialists, and have grown for us for years, and the growth and extent of our potato trade is the result mostly of the growers' painstaking care and general knowledge in growing and selecting the seed stock with which to grow the crop. To grow healthy stock, they use first-class potato land, nothing but pure, well-matured, good sized seed, treating the seed and spraying the foliage when necessary. The potatoes are very carefully handled when digging and barreling, that they may not be bruised or otherwise injured.

EARLY ORDERS Everything points in the direction of a lively demand for Choice Seed Potatoes the coming season, and, while we have a fair stock in store at present, we would advise customers to **SEND IN ORDERS EARLY.**

BIG MONEY IN EARLY OHIO the coming season to all who have the courage to plant the high priced seed, for there is not half enough in the country to go around, even at the advanced quotations.

SPECIAL INSTRUCTIONS.

We will book orders at the following prices as long as our present stock lasts, filling orders just as soon as the weather, in our judgment, will permit. However, we cannot become responsible for changes in weather by which they might be damaged while en route. We will ship at any time when requested to do so, regardless of weather, if customers wish to take their own risk. When customers request it we pack a barrel of two or three kinds without extra charge. **WHEN ORDERING LATE,** please state whether we shall return the money or send some other kind of equal value, provided we cannot supply the sort ordered. **PLEASE GIVE PLAIN SHIPPING DIRECTIONS.**

POTATOES BY EXPRESS OR FREIGHT, at barrel, bushel, peck and half-peck prices. Buyer pays the freight or express charges. Our barrels contain $2\frac{1}{4}$ bushels, good measure.

All Transportation Charges Must be Paid by the Buyer.
No Potatoes sent C. O. D.

POTATOES BY MAIL, POSTPAID.

Prices for small quantities of any of the following varieties, unless otherwise quoted—1 pound, 25c.; 3 pounds, 60c.

THREE DOZEN EYES, any kind, 25 CENTS, Postpaid.



Extra Early Ohio Potatoes Our Specialty.

Some early kinds will give edible potatoes about as early, but their tops will be green for days after the Extra Early Ohio's have ripened. It is two weeks ahead of the Early Rose, and is a special favorite with farmers and marketmen, and the most profitable potato they can possibly grow. The sprouts are very strong, the vines grow erect, and are easy to cultivate; maturing early, brings the highest prices, and the land can be used for other crops; does well on any soil suitable for potatoes. The tubers grow compact in the hill, are easily dug, very few small ones—nearly every one marketable size; few eyes, which are even with the surface. They keep firm until late in the spring. With heavy manuring, close planting (they can be planted almost a half closer than most other kinds on account of their upright growing tops), and good culture, a very large and profitable yield can be expected—300 to 500 bushels per acre is not an unusual yield. This is our specialty in standard early varieties, but we are confident that many do not know a true Early Ohio, and have grown some other sort for it, having been deceived in the purchase of the seed. We know ours are right, because the stock is the product of original headquarters seed. **Choice Hand Sorted Northern Grown Seed—Half-peck, 25c.; peck, 50c.; bus., \$1.80; bbl., \$4.75.**

THE LIVINGSTON POTATO.

Introduced by us in 1896 as a "White Seneca Beauty."

It is indeed a beauty, of good form, with handsome white skin and distinct peach blow eyes, which are few and shallow. Robust grower, and very productive; cooking qualities superb. **Northern Grown Seed— $\frac{1}{2}$ peck, 25c.; peck, 45c.; bus., \$1.50; bbl., \$4.25.**

SENECA BEAUTY POTATO

Introduced by us in 1889. A grand good medium late potato, and too much has never been said in its praise. Its beautiful and distinct appearance sells it in any market, and its fine table qualities please all. The tubers are large and smooth, with few eyes close to the surface and of a beautiful pink color; uniform in size and shape, scarcely any small ones. Vines rank and healthy, and loaded with beautiful blossoms. Good keeper and heavy cropper. **Northern Grown Seed— $\frac{1}{2}$ peck, 25c.; peck, 45c.; bus., \$1.50; bbl., \$4.25.**



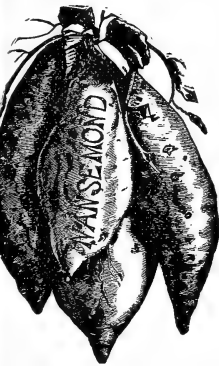
Special Prices for Larger Quantities of Potatoes given upon Application.

Livingston's Banner Potato

Introduced by us in 1891. The Banner is a seedling, and is the finest Main Crop White Potato on the market, and probably no variety ever introduced has made as good a record in so short a time with all classes of growers on all kinds of soil. None surpass it in UNIFORM HANDSOME APPEARANCE. Its slight russet skin is of a light cream white color. Its shape is a little oblong and slightly flattened (cooking through easily). The Eyes are very shallow. The Size is Large and desirable, very few under market size. Always smooth and regular in form; strong and vigorous from the very sprout. A Great Drought Resister. As near blight and scab proof as any. The Flesh is very white, and whether boiled or baked has the same fine table qualities, always dry and floury. Season medium late. Choice Sorted Northern Grown Stock— $\frac{1}{4}$ pk., 30c.; pk., 50c.; bus., \$1.50; bbl., \$4.00; 5 bbl., \$17.50; Special Price for 10 bbl. or over.

FORTY YEARS EXPERIENCE WITH SWEET POTATOES. By WALDO F. BROWN. The most practical and valuable work on the subject. Tells how to make beds, grow plants, set same, cultivate, harvest, store the crop, etc. It is the short cut for the beginner and a help to many old growers. 20c. postpaid, or FREE with orders for a bushel or more of Sweet Potatoes, providing customers ask for it when sending their order.

New Jersey Grown Seed Sweet Potatoes



Carefully dug, handled, packed and stored over winter for us, expressly for sprouting purposes. We have been bedding and selling this stock for about 30 years and find the potatoes much drier and sweeter than those grown from Ohio or Western GROWN SEED. We repack before shipping, but we wish it distinctly understood that Customers take ALL RISKS after we deliver in good condition to Express or Railroad Company here. We book orders any time but do not ship until about planting time. OUR BARRELS CONTAIN THREE BUSHELS, GOOD MEASURE.

No C. O. D. All Sweet Potatoes must be paid for before shipping will be made, as we will not send them cash on delivery.

PRICES QUOTED are about what will rule, we think, but as there is usually a shortage of good seed at planting time prices here quoted are **SUBJECT TO MARKET CHANGES** after about March 1st.

SWEET POTATO PLANTS. SEE LIST BELOW.

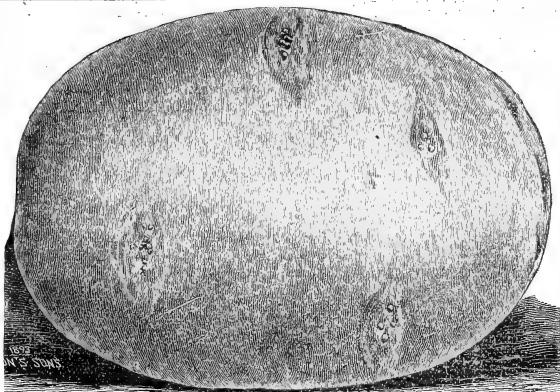
VEGETABLE PLANTS, ROOTS, ETC.

Prices do not include payment of express. Sent only by Express, not by mail. No orders received at the following prices unless the whole order amounts to \$1.00 or more, EXCEPT where noted by mail, postpaid. We keep all the following varieties on hand in their proper season and can ship from the beds and well packed on short notice. Write for our special MID-SUMMER PRICE LIST, which gives the prices of Late Cabbage, Celery, etc. Issued in June.

	Per 50	100	1000
CABBAGE, EARLY —Ready April 10. Early Spring, Extra Early Wakefield and All-Head Early.....	\$.40	\$.75	\$4.50
Henderson's Early Summer, Large Wakefield.....			
CARLIFLOWER —Ready April 1 to July 1. Livingston's Earliest and Extra Early Earliest. Henderson's Early Snowball.....	.65	1.00	7.50
CELERY —Early Grown—Ready June 1. Dwarf Golden Heart, White and Pink Plumes. Golden Self Blanching and Giant Pascal..... Giant Golden Heart.....	.60	1.00
HEDGE PLANTS —Osage Orange—2 Years Old..... Honey Locust.....	.35 25	2.50 4.50	
SWEET POTATO PLANTS —Ready May 15. "Up Rivers"..... By Mail..... Extra Early Carolina..... postpaid..... Yellow Jersey..... 9c. per 100.....	.25	.25	2.50

Write us **WHEN READY TO BUY** Large Quantities of Cabbage, Celery, Sweet Potato and Hedge Plants and we will make **LOWEST MARKET PRICES** at the date of quotation.

HORSE RADISH SETS—See page 33.



HYBRIDIZED POTATO SEED.



Potato Ball Seed. We offer a very choice strain of Potato Seed, the product of numerous hybridizations between many of the best new and old varieties in cultivation. A dollar invested in this choice seed may make \$100 in two or three years. The grower is sure of several rare and valuable seedlings that any specialist will be keen to purchase at a good price. We frequently purchase promising seedlings grown from seed purchased of us. Packets 15c.; 2 pkts. for 25c.; 10 pkts., \$1.00. Full directions for planting, cultivation, etc., on each packet.

We will make Special Prices for Larger Quantities on application. If you bed out several barrels it may pay you to Write Us Before You Buy.

"UP RIVERS." A Select Strain

of smooth, short, "chunky" Yellow Jersey. Yields 25 to 50 per cent. more marketable stock and sells higher than any other. Dry and sweet; decidedly the best eating potato of all. Our specialty in "swets," and we recommend it above all others. Peck 50c.; $\frac{1}{2}$ bus., 75c.; bus., \$1.35; bbl., \$3.50; 3 bbls., \$10.00.

YELLOW JERSEY, or Nansemond—Fine Old Favorite—Peck, 40c.; $\frac{1}{2}$ bus., 75c.; bus., \$1.35; bbl., \$3.50.

RED JERSEY—Best of all reds—A smooth potato with yellow meat. Peck, 50c.; $\frac{1}{2}$ bus., 80c.; bus., \$1.50; bbl., \$4.25.

EARLY CAROLINA—Bright yellow, fine grained Desirable for Northern Sections. Peck, 60c.; $\frac{1}{2}$ bus., 80c.; bus., \$1.40; bbl., \$4.25.

RHUBARB ROOTS—See page 46. **ASPARAGUS ROOTS**—See page 17. **TOMATO—Ready May 1.**

Livingston's Acme, Beauty.....	Doz.	50	100	1000
Buckeye State, Honor Bright, Favorite.....				
Yellow Prince, Perfection, Paragon.....	\$.20	\$.60	\$1.00	\$7.50
Stone, Royal Red, Golden Queen.....				
Dwarf Champion, Dwarf Aristocrat.....				

in the season. Lower prices Later in the season.

MILLIONS OF TOMATO PLANTS. We grow immense quantities for general crop, and are in position usually to make Special Prices on all leading sorts on orders of 1000 to 100,000.

EGG PLANT—Ready May 1. Doz. 50 50 100
Large N. Y. Purple and Livingston's Mammoth. .25 .85 \$1.50

PEPPER—Ready May 1—Sweet Mountain. .20 .60 1.00
Ruby King and Ball Nose.....

CHIVES—Good clumps; by Express, each, 10c.; doz., \$1.00. By Mail, postpaid, each, 20c.; $\frac{1}{2}$ doz., 80c.; doz., \$1.50.

ARTICHOKE ROOTS—Lb., 30c.; 3 lbs., 75c., postpaid. By Express or Freight—Pkt., 60c.; bus., \$2.00; bbl., of 3 bus., (enough to plant one acre), \$5.00.

5000 and 10000 Lots of Plants, Etc., at Lowest Market Prices.

Livingston's Select Flower Seeds

One Flower Seed List has been carefully revised, some new kinds added and all inferior kinds cast out, so that there is nothing in the list but what is worthy of cultivation, and, if reasonably well cared for, will give satisfaction. Our aim is to offer nothing but the best and surest to please, a condensed list of leading kinds, and not the most bewildering and extensive, wishing to please the masses rather than cumber our annual with every unimportant item which only a few people care for. Any flower seed not offered in the following pages will be secured on short notice at the price quoted in other catalogues.

No garden, whether large or small, is complete without a flower bed of Livingston's Select Flower Seeds. Include a few packets with your Vegetable Seed Order.

Divisions of Flowers.—Flowers are usually divided into Annuals and Perennials. **Annuals** are those that bloom and ripen seed the first year then die. Among these may be found some of our most brilliant and fragrant flowers. In fact, if you want flowers early in the season, and all the time until frost, a good selection of Annuals will not dis-

appoint you. **Perennials** are those that endure our Northern winters with little or no protection, and live and bloom several years in succession. A large majority of the Perennials will bloom the first year if started soon in the spring.

Many of our Flower Seed Packets give cultural directions.

The figure at the right, opposite each variety, denote the PRICE IN CENTS PER PACKET.

DISCOUNT ON PACKET FLOWER SEEDS.

For 25 cts. select Six 5-c. or Three 10-c. Packets.
For 50 cts. select Fourteen 5c. or Seven 10c. Packets.
For \$1.00 select Packets to the amount of \$1.30.
For \$2.00 select Packets to the amount of \$2.75.
For \$5.00 select Packets to the amount of \$7.50.

All Flower Seeds sent Free by Mail on receipt of Price.



AGERATUM.

Ageratum. Valuable for borders, and very useful where cut flowers are in demand; blooms the whole summer; also good for winter blooming; easy culture, succeeding in any soil; half hardy annual.

Imperial Dwarf Blue—A fine plant for ribbon borders; 6 inches 5
Imperial Dwarf White—Like the above, but flowers are white 5
Mexicanum—Lavender blue; 2 feet 5
Ageratum, mixed 5

Ampelopsis. A most beautiful climber, clinging firmly to the sides of a house or wall, and soon forms a most perfect mass; gives excellent satisfaction.

Ampelopsis Veitchii, ("Japanese Ivy" or "Bo-ton Ivy") 5
Antigonon. (Mountain Rose)—Grand and effective when grown in a sunny spot; a climber; hardy with a slight covering 5

Adlumia Cirrhosa. Mountain Fringe, or Allegheny Vine—An attractive and beautiful hardy biennial climber, flowering the first season, clusters of small rose-lilac flowers and pale green feathery foliage. 15 feet 10

Alyssum, Sweet

The delicate honey-like fragrance of the flowers of this little plant, so much prized in bouquets, baskets and design work, renders it most unlikely that this old favorite will ever be cast aside. Easy culture; Blossoms all summer; 12 inches.

Sweet Alyssum—White; very sweet; 1 foot. Oz. 25c.; ½ oz., 15c. 5

Little Gem—Very compact growth, 3 or 4 inches high, but a single plant will cover a space up to 3 feet in circumference. Grows quick from seed and will bloom when quite young. The abundance of flowers is simply enormous—300 blossoms having been counted on a single plant. Oz. 35c.; ½ oz., 10c. 5

Golden Saxatile—Free growing dwarf hardy perennial. Flowers brilliant golden yellow, completely hiding the foliage. Plants about 1 foot high. Showy for permanent borders and beds 5

Amaranthus. Remarkably handsome foliage and interesting flowers, producing a striking effect in the border as a background, or as center of beds. Seed may be sown in the open border, or in a hot-bed; transplant about the first week in June. Produces the most attractive and brilliant foliage upon poor soil; transplant to 20 inches. Half hardy. All kinds mixed 5



SWEET ALYSSUM.



TRUFFAUT'S PAEONY-FLOWERED PERFECTION.

PAEONY-FLOWERED ASTERS.

TRUFFAUT'S—Hard to surpass in size of flowers, brilliancy of color, and habit of growth. Flowers of very large size and fine form, perfectly double, petals beautifully incurved. The colors are peculiarly rich and brilliant, and the pointed form of flowers attracts great attention. 1½ to 2 feet. **Mixed, many colors** 10
Snow White 10
Brilliant Scarlet 10c.
Dark Blue—Extra fine 10
La Superbe—Sky-blue, tipped white. 10

PRINCE OF WALES—Of branching habit; the large flowers have long graceful stems; a deep crimson color. Very early 10

SEMPL'S ASTERS.

A choice strain of American-grown Asters, which has been brought to a high degree of excellence; of branching habit, producing many perfect flowers 4 inches in diameter on long stems; flowers very double and of purest colors; the strong, branching plants grow about 2 feet high. Immense quantities of this fine Aster are grown for the cut flower trade. Its large graceful flowers with long stems make it a prime favorite.

Semple's Pure White 10
Semple's Shell Pink 10
Semple's Lavender 10
Semple's Fine Mixed 10
Any 3 Packets for 20c.

Uhland Globe Asters

Paeony-Flowered—Excellent; large-flowering. Mixed colors 10

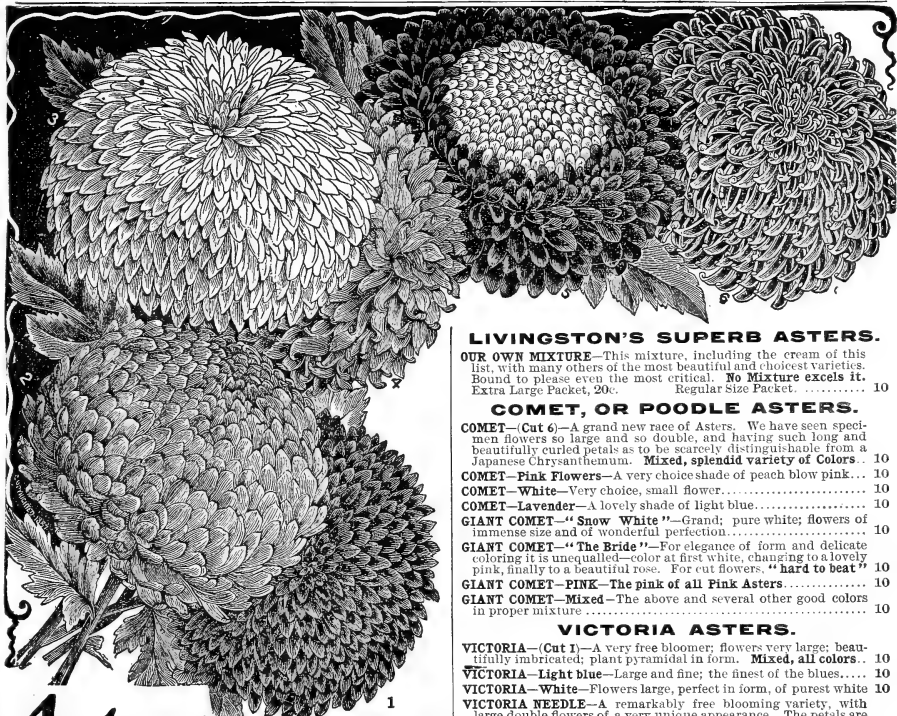


THE POPULAR SEMPLE ASTERS.

BETTERIDGE'S QUILLED—The flowers have quill-shaped petals; a very beautiful sort, having a great variety of colors. **Mixed** 5

DAYBREAK—The Daybreak Aster, introduced three years ago, is one of the most beautiful of the Aster family. Plants in bloom are charming. Flowers are as round as a ball, very large and very early. Color a beautiful shell pink, resembling the Daybreak Carnation. Branching in habit, with long stems. For florists' use it is unsurpassed, as it commands the highest price in the market 10

FURITY—Identical with Daybreak, except in color. The flowers of this variety are large, pure white, and, without doubt, the finest early white flowering Aster to date 10



Asters "Fall Roses"

This has become one of the most popular, beautiful and effective garden plants, growing from ten to twenty-four inches high. For profusion of flowers and richness of display the Asters are unrivaled and constitute the principal adornment of our gardens during the autumn. Sow the seed early in the spring, under glass or in pots in the house, and transplant into rich soil about one foot apart, according to height of plants. Splendid for bedding, border and pot culture. Asters should be cut just before coming out in full bloom. A small spoon of plant food in a vase of cut bloom is beneficial. One of the leading cut flowers of the day, because very profitable.

QUEEN OF THE MARKET ASTERS.

After growing this for several seasons we pronounce it one of the most satisfactory of all; it is about two weeks earlier than most other Asters, a most profuse bloomer; of graceful habit. Its perfect flowers are borne on long stems and in great variety of colors, making them extremely useful for cutting. A favorite with those who grow for market.

Mixed Colors.....5c. Pure White.....5

Pink.....5c. Blue.....5

QUEEN OF THE EARLIES—("Queen of Spring")—Resembles somewhat the Queen of the Market, but blooms about two weeks earlier; of low growth; good sized flowers on long stems. Said to be the earliest of all. All Colors Mixed, 10c. Pure White.....10

DWARF QUEEN—The Finest of all Dwarf Asters—The bushy plants are about a foot high, and when well grown the flowers are large (2 to 3½ inches in diameter) and very beautiful. Excellent for pot culture and borders.

Choice Colors Mixed.....10c. Pure White.....10

NEW ROSE—(Cut 4)—Magnificent flowers, in shape and size rivaling the finest roses. A great variety of brilliant colors, making a beautiful display. Robust habit; blossoms profusely, covering the plant; in perfection, nearly a month, 18 ins. high. Mixed.....10

CROWN WHITE CENTER—(Cut 5)—Flowers of this beautiful class are two-colored; the center of each pure white, with the petals of bright colors, as crimson, carmine, blue, violet, etc.; full, double, of handsome shape; 1½ to 2 feet. Mixed Colors.....10

LIVINGSTON'S SUPERB ASTERS.

OUR OWN MIXTURE—This mixture, including the cream of this list, with many others of the most beautiful and choicest varieties. Bound to please even the most critical. No Mixture excels it. Extra Large Packet, 20c. Regular Size Packet.....10

COMET, OR POODLE ASTERS.

COMET—(Cut 6)—A grand new race of Asters. We have seen specimen flowers so large and so double, and having such long and beautifully curled petals as to be scarcely distinguishable from a Japanese Chrysanthemum. Mixed, splendid variety of Colors.....10

COMET—Pink Flowers—A very choice shade of peach blow pink.....10

COMET—White—Very choice, small flower.....10

COMET—Lavender—A lovely shade of light blue.....10

GIANT COMET—"Snow White"—Grand, pure white; flowers of immense size and of wonderful perfection.....10

GIANT COMET—"The Bride"—For elegance of form and delicate coloring it is unequalled—color at first white, changing to a lovely pink, finally to a beautiful rose. For cut flowers, "hard to beat".....10

GIANT COMET—PINK—The pink of all Pink Asters.....10

GIANT COMET—Mixed—The above and several other good colors in proper mixture.....10

VICTORIA ASTERS.

VICTORIA—(Cut 1)—A very free bloomer; flowers very large; beautifully imbricated; plant pyramidal in form. Mixed, all colors.....10

VICTORIA—Light blue—Large and fine; the finest of the blues.....10

VICTORIA—White—Flowers large, perfect in form, of purest white.....10

VICTORIA NEEDLE—A remarkably free blooming variety, with large double flowers of a very unique appearance. The petals are curved and as round as a needle. Many Colors Mixed.....10

DWARF VICTORIA—Dark Scarlet—One of the finest, and might well be called a FIREBALL, on account of its brilliancy; the perfect flowers are borne in great abundance on a neat bush about ten inches high; effective in beds, 10c. Mixed Colors.....10

OTHER CHOICE VARIETIES.

JEWEL, or BALL—(Cut 2)—A magnificent Aster, with flowers measuring from 2½ to 3 inches across, round as a ball and borne on long stems. Very useful for cutting and bunching; about 2½ inches high. A Mixture of Several Choice Colors.....10

MIGNON—(Cut 3)—An Aster of great beauty; resembles the Victoria class in habit of growth, but exceeds it in free blooming. Plants about 15 inches high; flowers of good size, reflex petals and very double. One of the finest for cut flowers. Light Blue—Superb.....10

Pure White—None surpass this splendid white for cutting.....10

Peach Blossom—Very fine.....10. Mixed, New Shades.....10

SNOWBALL, or PRINCESS—A distinct Aster. Every plant produces about 30 pure white flowers, which are semi-spherical with short petals lying scale like upon each other, resembling a Liliput Dahlia flower. Its elegant, faultless shape make it valuable as a cut flower.....10

GIANT WASHINGTON, or JUBILEE—Resembles the Victoria Aster but the flowers are much larger. Good for cut flowers and bound to please all who like a tall-growing Aster with immense sized flowers. 2 feet. Mixed, Many Lovely Colors.....10

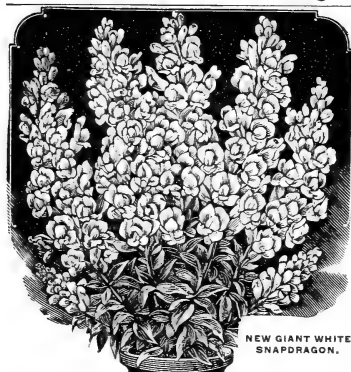
VICK'S BRANCHING—A favorite variety with branching character and fine, large flowers on long stems; excellent for cutting. Two feet high. Mixed Colors, 10. White, no finer.....10

DWARF PYRAMIDAL BOUQUET—A magnificent dwarf variety; a single plant forms a complete bouquet of pyramidal shape, and covers itself with blossoms almost hiding the foliage. Fine for edging and small beds. Many distinct Colors Mixed.....10

GERMAN QUILL—Well known favorite and very distinct sort; a free bloomer; good for cutting. Many Finest Varieties Mixed.....5

OSTRICH PLUME—Resembles Comet Aster in style of bloom; immense size, averaging 6 inches in diameter. Petals long, loosely formed; very graceful; long stems; charming shades. Mixed.....10

ANY THREE 10-CENT PACKETS OF ASTERS FOR 25 CENTS.

NEW GIANT WHITE
SNAPDRAGON.

Antirrhinum. (SNAP DRAGON)—This is an old favorite border plant, with dark glossy leaves and curiously shaped flowers, with finely marked throat. They have been much improved by careful selection, and are really magnificent flowers. Will blossom the first season from seed sown in the spring; grow quick and bloom all summer, but the blossoms will be much stronger the second season. Succeeds best in dry, loamy soil. Tender perennial. **Choice Striped, mixed** 5
Tall, mixed— $\frac{1}{4}$ oz., 15c. 5

NEW GIANT WHITE—A very valuable variety, recently introduced, and quite an addition to our choice blooming plants. Produces great abundance of flowers (see illustration) throughout the summer and autumn; compact and branching in habit, producing beautiful Gladioli-like flower spikes by the dozen, from 1 to 2 feet in length. Color pure snow-white, with lemon tinged throat, and of lovely fragrance. The flowers keep a long time after being cut, thus making them fine for cut flowers. 10

Balsams.

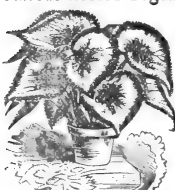
These are old favorites with everyone owing to their handsome double flowers, brilliant colors and stately growth. To produce very double flowers they must be transplanted into a rich soil in a sunny position and frequently watered. Cutting out some of the side branches is also advisable, especially with the strong and bushy growing varieties. They can be pruned to any form desired. We have taken special pains to secure the most double and largest flowers in the most distinct and striking colors. Tender annuals.

LIVINGSTON'S PREMIUM BALSAMS. Extra Double and very large flowers. We beg to call special attention to the excellence of this unequalled strain. The flowers are immense in size, fine form and as double as a Camelia, which they resemble. The colors are as varied and brilliant as could be desired, even by the most fastidious. So double that it is a very shy seeder. **Livingston's Premium Mixture** 10
Light Lemon—Very fine. 10
Double Spotted—In splendid mixture 10
Double Camelia-Flowered—**Best Mixed**—Many kinds and colors. 10
Double White Perfection—**"Queen's White"**—Flowers snow-white, as round as a dollar and of immense size. 5
Carnation-Striped—Many colors. **Finest Mixed**. 5

Begonias.

The little seedlings when watering. Covered the whole summer with bright and elegant drooping flowers; seed should be started in February or March in pots of fine soil. As soon as the second leaf appears prick off into flats or small pots filled with good loose soil. Slightly shade from direct rays of the sun and as near the glass as possible. In the fall take up tubers and store in the cellar same as Dahlias. **Double, Mixed**—Very choice, 25c. **Single, Mixed**—Extra fine. 20

Fibrous Rooted Begonias. A most excellent class for indoor flowering, also good for outside in a partly shaded situation.



REX BEGONIA.

NEW VERNON—Plants medium size, compact and very hardy; easily grown; leaves glossy green margined with bronze; flowers rich, brilliant red, and borne in greatest abundance. A large bed of Vernon in the garden is the admiration of all. 10

NEW VULCAN—One of the best bedding varieties, on account of profusion of bloom, beautiful foliage and hardy growth; flowers intense fiery scarlet. 10

REX BEGONIA—Large ornamental leaves of dark green, bronze, gold and red; grown for their magnificent foliage; very desirable for house and garden decorations, in shady positions, and well adapted for baskets. **Finest Mixed** 25

For Begonia Tubers see Bulb and Plant List in back part of this book.

Asparagus. Plumosus Nanus—(Climbing Lace Fern)—One of the prettiest house plants. Leaves bright green, gracefully arched, surpassing Maiden Hair Ferns in grace, delicacy of texture and richness of color. It is admirably adapted to house culture. Pkt. (10 seeds) 15
Sprengeri—Also called Emerald Feather and Abyssinian Parlor Fern. This is one of the most beautiful plants for either pot culture or hanging baskets. Its beautiful green fern-like fronds grow 2 to 3 feet long, useful for bouquets; grows freely the year round. (For illustration see Plant Department). Pkt. (20 seeds) 10
Verticillatus—A beautiful climber having feathery foliage and scarlet berries. Hardy perennial. Pkt. (20 seeds) 10

Asperula. Odorata-Waldmeister—This charming little plant, which blooms in May and is a hardy perennial, delights in moist, shady situations and is used for border planting. 10

Asperula, Azura Setosa—A profuse blooming dwarf hardy annual, with sweet scented lavender-blue flowers; 1 foot high. 5

Abutilon. Flowering Maple or Chinese Bell Flower—Universally admired; few are aware how easily they can be raised from seed, and how beautifully they flower the first season if seed is sown early; should be started in the house and the young plants set out in the garden, but not until the weather is warm and settled. They grow rapidly, and make fine, large shrubs, bearing elegant bell-shaped flowers. They bloom freely in winter in the house. **Choice Mixture** 10

Abronia. Trailing plants with Verbena-like flowers. Peel off the husk before sowing the seed. Very fragrant. In bloom a long time, transplant to 1 foot apart. Half hardy annual. 5

Acroclinium. A beautiful Everlasting flower, strong growth, about 18 inches high, and bears a great number of rose and white daisy-like flowers with a yellow center. Should be gathered the first day they open, or before they are open, and dried in the shade, to secure a bright center. **Rose and White mixed** 5

Balsam Apple and Pear. Very curious vine with ornamental foliage; its large golden-yellow fruit is warted, and, when ripe, opens, showing its brilliant carmine interior. Grows to a height of 10 feet. 5
Balsam Apple and Pear, mixed 5

S. Shaw, Hardin Co., Ohio.—"Your Premium Balsam Mixture is just immense."



BALSAM APPLE.



LIVINGSTON'S PREMIUM BALSAMS.

Balloon Vine. "Love in a Puff"—A annual climber; delights in a light soil and warm situation; grows 10 to 15 feet; white flowers, followed by seed vessels about the size of an English walnut, and looks like small balloons, which, with its beautifully cut leaves and foliage makes a delightful porch screen. 5

Brachycome. (Swan River Daisy).—A free-flowering dwarf plants, bearing a profusion of pretty Cineraria-like flowers; suitable for edgings, small beds, baskets or pot culture; half-hardy annual. **Light Blue and White, mixed** 5

Centaurea.

(Bachelor's Button.)
(Corn Flower, Blue Bottle,
Ragged Sailor, etc.)



NEW DOUBLE CENTAUREA.

Very old favorite hardy annual; flowers freely in almost any situation; for cut flowers they are largely used both in Europe and this country, a little bunch of the blue Corn Flower being a favorite boutonniere.

New Margaret—A beautiful new annual. The plant grows about 15 inches high, and are of the easiest culture. Its large flowers are of the purest white, exquisitely fragrant, and are produced in great abundance. Admired by everybody everywhere..... 5

Imperial—(Giant Fragrant)—The flowers are of the same graceful form of Centaurea Margaret, but nearly double the size; blooms in great abundance from July until frost; highly fragrant; very popular. Large Flowering, mixed colors..... 10

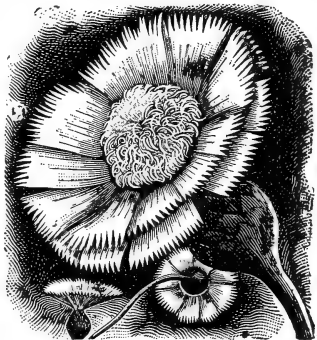
Odorata—Sweet scented. Mixed..... 5

New Double—Many new and novel colors of large double flowers in Choice Mixture..... 5

New Dwarf Victoria—Pretty globular bushes, dark blue flowers; pretty for edging or pots..... 5

New Chameleon—Pale yellow on opening, turning to lilac, finally to a beautiful rose color..... 5

Blue Emperor—Fine rich blue..... 5



NEW MARGARET CENTAUREA.

Americana Alba—New. A native annual variety of strong growth; free bloomer; the stems shoot up from 1 to 2 feet; flowers large, nearly white, fluffy, excellent for cut flowers, the flowers lasting several days when cut..... 10

Moschata—(Sweet Sultan)—A sweet scented, profuse flowering, showy plant of easy culture, and very effective in shrubbery. Hardy annual. Mixed colors..... 5

Cyanus—The old fashioned Bachelor's Button or Corn Flower of our Grand-mother's. Mixed colors, 1/2 oz., 15c.; oz., 25c..... 5

LIVINGSTON'S CHOICE MIXED BACHELORS BUTTONS—Our mixture contains all of above sorts and many others—a great variety. 3 for 25c. Large packet..... 10

White Leaved or Dusty Miller Varieties.

These are planted for bedding or borders, not for flowers.
Candidissima—Silver gray foliage. 1 1/2 feet..... 10
Gymnocarpa—Leaves silvery white. 1 foot..... 5

Calceolaria.

Unsurpassed for pot culture in the greenhouse or conservatory, producing the brilliant flowers in great profusion and variety. The blooms are remarkable for their oddness of shape, their richness, diversity and variety of color.

Spotted and Self-Colored, Finest mixed..... 25

LARGE FLOWERING SELF COLORED, mixed—Flowers not spotted or marked..... 25

Catchfly, (Silene), early, free-blooming annual of easy culture, growing in any garden soil. Colors red, white and rose, mixed..... 5

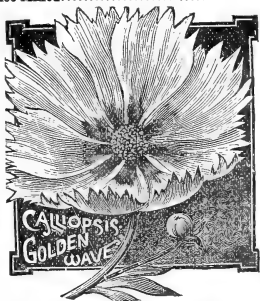
Calendula. Showy, free-flowering, hardy annuals, growing in any garden soil, producing a fine effect in beds or mixed borders, continues in bloom until killed by frost; 1 foot high. Choice Mixed..... 5

Calliopsis.

or **Coeorsip**—Very handsome, showy plants with numerous flowers of brilliant colors of long duration in bloom, excellent for cutting. Of easy culture, growing rapidly, require no care and thrive in any garden. Grows very readily and may be sown where plants are wanted to flower.

Coronata—Showy, large yellow flower..... 5

Golden Wave—(Drummondii)—Bushy, compact plants, covered all summer with hundreds of bright golden flowers two inches across, distinctly marked with dark brown center..... 5



Clarkia. The Clarkia forms very pretty bushy plants, from 12 to 18 inches high, are free bloomers, very easy culture, and will thrive in any garden without extra care. Hardy annual. Choice Mixed Colors..... 5

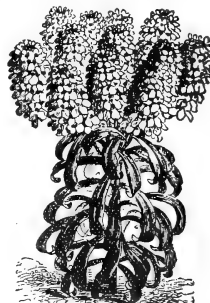
Crotalaria Retusa, West India Rattle Box or Golden Bush Pea.

A beautiful annual; low growing, profuse branching plant, every branch and branchlet ending in racemes 6 to 10 inches long of beautiful, large, sweet-pea-like fragrant flowers, in color golden yellow, except center, which looks like brown velvet, they are followed by clusters of smooth pods, which, when shaken, the seeds sound like a child's rattle, hence its common name..... 10

Cyperus, or **Umbrella Plant**. Grows finely in water with for fountains, rich soil or mud. Graceful foliage plant; fine for vases, fountains; easily raised from seed; tender perennial. For illustration see Plant Department..... 10

Candytuft.

The Candytuft is among the most highly prized of garden flowers. The best effect is produced by raising the plants in masses, and the seeds are sown where the plants are to bloom; sow in rows six to eight inches apart, and thin out the plants so as to stand about six inches apart. The soil should be rich, and when blooming time comes keep the plants well watered. Cut away some of the branches to increase size of flowers. The Rocket Candytuft grows in compact spikes; the new dwarf varieties are only about six inches in height, and their season of blooming is very long.



CANDYTUFT EMPRESS.

New Empress—A magnificent variety, with enormous heads of pure white flowers. 5

White Rocket..... Oz., 15c. 5

White Fragrant..... Oz., 20c. 5

New Dwarf Hybrid—Of dwarf habits and perfect shape, abundant flowers, from pure white to dark purple..... 5

Mixed, all Colors..... Oz., 15c. 5

Collinsia. Very pretty free-flowering annuals, with a raised flower beds. 1 to 2 feet. Mixed Colors..... 10

Cleome Pungens. "Giant Spider Plant"—Showy plant of easy culture. Has curious heads of bright rose colored flowers; blooms early to late..... 5

Mollie Dimit, Adams Co., Ohio, says:—"I too the premium on your Cosmos and Dahlias at the fair last year."



LARGE FLOWERING FRENCH CANNAS.

Cannas

FROM SEED.

Few, if any, surpass them as bedding plant for the American climate. They bloom from seed the first summer if sown early (before April). The seed should be soaked in warm water several hours before planting. Plant in a sandy loam and place in a hot-bed or warm window, when up to the second leaf, transplant singly and hold until weather is warm outside.

The Canna has no equal for sturdiness, brilliancy and variety of colors and ever-blooming qualities. The flower spikes are produced all seasons, and if well potted in the fall they make a fine plant for winter blooming in the house. The roots may be taken up and kept like Dahlias over winter.

Large Flowering French Cannas.

Queen Charlotte—Brilliant orange scarlet with wide yellow margin 10

Madame Crozy—Clusters of vivid vermilion-scarlet flowers with deep golden-yellow borders. 10

Chas. Henderson—Deep rich crimson; very fine. 10

Florence Vaughan—One of the best yellows spotted with red 10

Chicago—One of the finest reds in cultivation 10

CROZY'S NEW FRENCH HYBRIDS—Saved from the handsomest of the many new varieties. Early bloomers and remarkable for beauty of both flower and foliage. Extra Fine Mixed, many varieties—Oz., 20c. 5

Columbine. (*Aquilegia*).—Exceedingly showy, early blooming, hardy plants, especially valuable for the peculiar formation of their flowers and the great variety of colors. Hardy perennial. Double, mixed. 5



CENTRANTHUS.

Centranthus. The flowers are small and borne in clusters on light green, almost transparent, stems. They form beautiful masses or borders, and are excellent for bouquets and floral work. Hardy annual. Mixed colors 5

Canterbury Bells.

Very ornamental garden plants of easiest culture, beautiful large well-shaped flowers. Hardy perennial. 2½ feet.

Double Annual Varieties, finest mixed. 5

Single Annual Varieties, mixed. 5

"Cup and Saucer"—Canterbury Bells—(*Calyculthem Campanula*). This is a fine variety, producing plants with white and blue flowers resembling a cup and saucer. Mixed. 5

Chrysanthemum

Showy and effective garden favorites, extensively grown for cut flowers. The hardy annuals are summer-flowering border plants; also good for pot culture. Distinct from Autumn flowering varieties.

ANNUAL VARIETIES.

Brilliant Crimson—Very showy. 5

Golden Feather—White, banded crimson, inner ring canary yellow, maroon eye 5

Inodorum Flore Pleno—Best new sort, with large double white flowers; a free 5

bloomer; excellent cut flowers. 5

Single Varieties—Finest mixed—Pkt. 5c. Double Varieties—Finest mixed. 5

All Sorts, Annual Varieties, Double and Single, in finest mixtures. 5

PERENNIAL VARIETIES.

The following varieties are for pot culture, for blooming in the house in winter, and for florists' cutting for bouquets.

Japanese Hybrids—These are gorgeous autumn-flowering plants. Quite distinct from the old varieties in style of flowers. Seed sown early will produce strong flowering plants the first year. The seed we offer is from a choice collection of named varieties. Double Superb Mixed—All types 25

Double, good mixed—All types 15

Frutescens—"Marguerite," or "Paris Daisy"—Very popular among florists. 10

The pretty star-shaped white flowers are freely produced and easily grown.

Maximum—An extra large free-flowering Daisy—4 inches across—pure white with yellow centers; has long stout stems; lasts a long time when cut; desirable for decorative purposes. 10

Canary Bird Vine. One of the able climbing plants, growing rapidly to a height of 10 feet; produces an abundance of bright yellow fringed flowers, which resemble a canary bird with extended wings. 5

Cyclamen. These elegant greenhouse perennials have been vastly improved of late years. Our strain is selected from the improved English sorts, and it is conceded to be unsurpassed. Cyclamen seed sown early will bloom the following winter. We can supply the Blooming Bulbs. See Bulb List.

Persicum. Finest mixed colors. 10

Giant Persian.—A magnificent strain with large flowers of rich and varied colors, and large beautifully marked leaves. Mixed. 25

Cuphea, Cigar, or Firecracker Plant.—A fairly known as Cigar Plant on account of its fancied resemblance to a lighted cigar. 1 foot. 5

Cobaea.

A fine, rapid growing annual climber, with handsome foliage and large, beautiful bell-shaped flowers. Seeds should be started in a hot-bed or by a warm window in the house in rather dry soil, as they are apt to rot in the open ground. In sowing, place the seed edge down, and do not water unless in a warm place, and the soil becomes very dry. A well established plant will run 50 feet in a season and cover a large veranda. Flowers a beautiful deep violet blue. 5



COBÆA SCANDENS.

Campanula. A well-known beautiful hardy herbaceous perennial, bearing a great profusion of attractive bell flowers, thriving best in light rich soil; some of the varieties bloom the first season if planted early. Carpatia and Speculum are fine for beds, edgings and ribbon gardening. Carpatia—Free flowering, blue and white, continuing in bloom the whole season. Fine for groups and edgings. 6 inches. Hardy perennial. Mixed. 5

Mrs. W. L. Bradley, New Haven Co., Conn.—"I bought my flower seed of you last year and I never had such a nice garden. Every seed came up."

Castor Bean. See Ricinus.



DOUBLE CHRYSANTHEMUM.

Cosmos. (Hybrid)—Cosmos is now one of the most popular flowers. It is of very rapid growth and makes large bushes five to seven feet high, which are a mass of elegant foliage. The showy flowers are borne on long stems in great abundance, are white, flush-color, charming light pink and deep rose, each with a bright yellow centre. Both foliage and flowers are excellent for bouquets and vases. They are easily raised from seed, or grown from cuttings. When well started they should be set out to stand two feet apart.

MAMMOTH PERFECTION—("Giants of California")—The flowers are double the size of any Cosmos yet offered, and of splendid substance; will last two weeks if placed in water as soon as cut. **Giant Finest Mixed**.... 5

GIANT WHITE—Large pure white flowers; very beautiful valuable for florist..... 5

GIANT PINK—Large delicate pink flowers..... 5

DWARF EARLY DAWN, Large Flowering—This new variety comes into flower in July and continues a mass of bloom until cut down by frost. Can be grown in the North where the seasons are too short for other strains. Dwarf, compact growth—about 4 feet. The flowers are very beautiful and large; petals broad, a very free bloomer; color pure white, flushed with a delicate tinge of rose. Packet, 10c.; 3 for 25c.



Coleus.

Beautiful ornamental foliage plants, both for hot-houses and bedding out during the summer in sheltered places not exposed too much to the sun. The broad, oblong, slightly dentated leaves being of a deep crimson-brown color, edged with green and yellow, or salmon, or mottled in a picturesque manner.

Extra Fine Hybrids—A mixture made up of the finest and showiest varieties possible to obtain from special growers..... 15

Fine Quality Mixed Hybrids..... 10

New Large Leaved

"Fringed Coleus"—

Leaves are extremely large, superbly variegated, deeply cut, lacinated; fringed. Colors and markings are new and fine. 15

Cockscomb.

(Celosia Cristata.) Highly ornamental plants producing crested heads of flowers resembling a cock's comb. Flowers are of many colors and shapes, but the scarlet and crimson are the most brilliant and rich. Showy plants may be raised from seed planted in open ground in May. The offener they are transplanted, or shifted, the larger and more beautiful they grow. Should be 3 feet apart. Tender annual.

New Japan—The combs are delicately cut, while the colors are the brightest imaginable. 5

Queen of the Dwarfs—It grows only eight inches high; combs seven to ten inches across, of perfect form and of brilliant dark scarlet. 10

Glasgow Prize—Very dwarf; immense crimson combs; 1 foot. 5

Golden Beauty—Golden yellow combs; plants only one foot. 5

Dwarf—Choice mixture of all sorts and colors. 5

Ostrich Plume Cockscomb.

(Celosia Plumosa.)—Handsome branching plants, about 2½ feet high, with long, graceful feathery plumes. **Crimson Plumed**... 5c. **Orange Plumed**... 5

Mixed Colors..... 5



CINERARIA.

White..... 5c. **Scarlet**..... 5c. **Mixed**..... 5

IVY LEAF—Flory scarlet flowers; heart-shaped leaves..... 5



LARGE FLOWERING COSMOS.

"EARLY DAWN."

Convolvulus Minor.

(Dwarf or Bush Morning Glories.)

Beautiful and showy plants, producing an abundance of richly colored flowers, and in fine weather the flowers remain open all day. They bloom from July until autumn. Hardy annual.

Mauritanicus—A beautiful trailing plant for hanging baskets, etc. Handsome blue flowers with white throat. 5

Crimson-Violet—White, with crimson-violet margin..... 5

Striped—White, striped blue; a beauty..... 5

Choice Mixed—Many varieties. 12 5

CONVOLVULUS MAJOR, CLIMBERS

See Morning Glory.

Clematis.



A well known and admired rapid growing, free-flowering, ornamental climber. No flower has more rapidly advanced in popular favor than the Clematis. Within a few years it has become the popular favorite climber of the world. For pillars, trellises or planting about rock work Clematis cannot be excelled. Seed should be sown in the fall or winter in shallow boxes in the usual way. They will generally lie dormant, even in the green-house, but germinate on the approach of spring. When an inch or two high transplant into boxes or small pots preparatory to planting in open ground in May. Hardy perennial.

Clematis, Large Flowering, Mixed, (Jackmanii)—Flowers 3 to 4 inches across, of charming shades of blue, white, purple, etc. 10

Paniculata—A fine climber; abundantly covered from top to bottom with pure white, fragrant flowers and pretty red seed-pods. An Excellent Plant for Cemetery Use..... 10



COCKSCOMB, "OSTRICH FEATHER."

Cineraria. A favorite free-flowering green-beauty, with flowers of great richness and diversity of color; it blooms during the winter and spring months and can be planted out in summer. They thrive best in a mixture of loam and peat.

LARGE FLOWERING HYBRID—Choiceest prize varieties mixed..... 20

LARGE FLOWERING—Second quality. Very good. 15

MARITIMA (Dusty Miller)—Fine silvery white foliage; used extensively for ribbon planting, hanging baskets, vases, decorative pot plants, etc. Perennial, but usually grown as an annual. 1 foot..... 5

Cypress Vine.

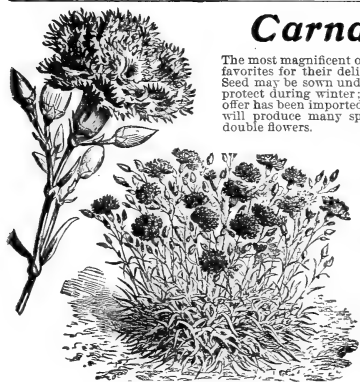
Ipomoea quamoclit. This is a most beautiful climber, with delicate, dark green, feathered foliage, and an abundance of bright star shaped scarlet, rose and white blossoms, which, in the bright sunlight, present a mass of beauty. Planted by the side of a veranda, tree or stakes, and trained properly, nothing is prettier. The seed will sprout more readily if warm water is poured on the ground after sowing.

White..... 5c. **Scarlet**..... 5c. **Mixed**..... 5

IVY LEAF—Flory scarlet flowers; heart-shaped leaves..... 5

Carnations and Picotees. Pinks.

The most magnificent of all the Pink family, and are general favorites for their delicious fragrance and richness of color. Seed may be sown under glass in spring, or in open ground; protect during winter; half hardy perennial. The seed we offer has been imported from the best sources in Europe, and will produce many splendid novelties in double and semi double flowers.



NEW MARGARET CARNATION.

New Margaret Carnation.

The flowers are of perfect form, large and very sweet scented. The brilliant colors range through many beautiful shades of red, pink, white, variegated, etc. Those sown in spring commence flowering in early summer, and continue to bloom in profusion until checked by frost, when they can be potted and taken into the house and will flower all winter through. If intended specially for winter flowering, it will be better to sow later in the season. The plants are abundant bloomers, quite dwarf, much branched, compact and robust in habit, stand upright without support.

Mixture of Choice Colors..... 5
Plant Margaret—A new and very fine LARGE FLOWERING strain. Mixed..... 10

Dahlias.

FROM THE SEED. Many are not aware that Dahlias from seed sown in the spring will bloom beautifully the first summer, and give good satisfaction. From one or two papers of seeds many plants can be raised, which will be of the greatest variety of colors, fully equal to many of the finest named sorts. Seeds germinate quickly and easily, and plants grow rapidly. We would advise starting seed under glass and transplanting to the garden in good rich soil the last of May, where they will grow with surprising rapidity, and bloom early. When not convenient to sow under glass, sow in open ground as soon as the weather permits.

Double Large Flowering—From select flowers. Extra Choice Mixed..... 10
Large Flowering, Double—Fine mixed..... 5
Double Pompon (Bouquet)—EXTRA CHOICE mixed, small flowered..... 5
Double Pompon—Good mixture..... 5
Tom Thumb, Dwarf—NEW, very FINE, double Cactus type..... 10

Cactus Dahlia, Double—Distinct and beautiful; worthy of general cultivation. Finest Mixed..... 10

Striped and Spotted, Single—New and very beautiful, with finely cut foliage and large single flowers of perfect form and brilliant colors. Mixed..... 5

Tom Thumb, Single—Plant is very dwarf—only about 12 inches high. Splendid colors..... 5

Single Flowered, Mixed Colors..... 5

LIVINGSTON'S MIXTURE, of Many Colors and Kinds. 2 packets, 25c..... 15

Dracaena. (Club Palm)

Beautiful ornamental leaved plant suitable for vases and house decoration. Mixed—Splendid sorts..... 10



DAHLIA.

Digitalis. "Foxglove" or "Witches' Fingers." Ornamental spikes of showy flowers, 3 to 5 feet. Mixed Colors..... 5
Spotted Varieties—Very beautiful. Mixed..... 5
Monstrosa, Mixed—Large spikes of novel and beautiful flowers..... 10

Carnations and Picotees—Stage-Flowers, all classes. Extra Fine Mixed—of unrivaled quality, and certain to give satisfaction to the most critical..... 25
Perpetual or Tree Carnation—Double Choice Colors Mixed..... 25
Picotee—Fancy Double Mixed..... 25
Scarlet Grenadin—Dwarf and compact; brilliant double scarlet; very early..... 10
Finest Mixed—Saved from the finest double named flowers..... 15
Fine Double Mixed—A small percentage will come single..... 10
Early Flowering Vienna—For open ground culture. CHOICE DOUBLE MIXED, ALL COLORS..... 10



CARNATION PICOTEE.

Double Daisy.



DOUBLE DAISY.

Flowers on long stems; excellent for cutting..... 10

(BELLIS.)—A charming little plant for pots, edgings and borders. Give it a cool, partially shaded place. Sow seeds very early. The flowers are abundant in early spring and may be made to flower later by the use of water. Plants can be removed safely, even when in flower. Tender perennials. Six inches.

Double Mixed—Finest German seed..... 5
Double White—Very fine..... 5
Longfellow—Very double dark pink flowers; of unusual size..... 10
Snowball—A large and very double pure white daisy..... 10

Datura. Trumpet Flower.

An attractive plant with large foliage and vigorous growth, producing a succession of large trumpet-shaped flowers, larger than a Calla Lily, and having a faint perfume. 2½ feet.

Cornucopia. Horn of Plenty—A magnificent variety with dark purple stems. The flower is immense, 7 to 9 inches long, 5 inches wide at the mouth, and conical, having three cones, one within the other, each with spreading, wavy margins. Color is fine purple white, the former predominating outside, and the latter within throat and tube of the flower..... 5

Wrightii—Large, single white..... 5

Double Golden—Brilliant yellow flower of immense size, very showy and fragrant; very double..... 5

Double White..... 5

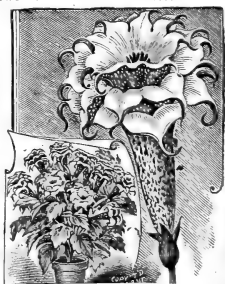
Double Purple..... 5

Faustosa—Fine double, mixed colors..... 5

Edelweiss.

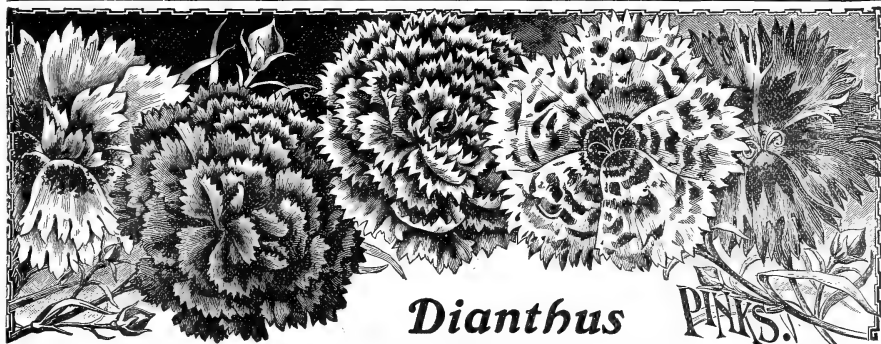
Gnaphalium Leontopodium—Famous and true Edelweiss of the Alps. Flowers of a downy texture, pure white, star-shape; easily raised from seed..... 10

Eutoca. Free-flowering, for beds, borders, etc.; excellent for cutting, because a branch placed in water will bloom many days, and is intense in color. Succeeds best in warm soil, not too rich. Hardy annual. **Eutoca Viscida**—Mixed Colors..... 5



CORNUCOPIA.

Echeveria. (Hen and Chickens.)—These seedlings will furnish a real surprise, for few people have any idea of the great variety, both in shapes and colorings, that are found among the Echeverias. Easily and cheaply grown from seed. Many Varieties Mixed. 3 Pkts., 25c..... 10

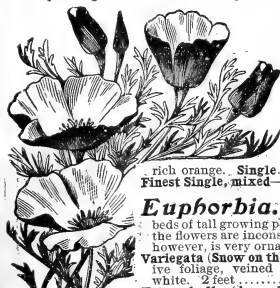


CHINA AND JAPAN.—Beautiful class of hardy Pinks that flower freely the first season. Sow in a hot-bed, transplanting dwarf varieties six inches apart. If not kept too warm are useful house plants. The Double varieties produce flowers as large as Carnation or Pinks. They are hardy annuals that bloom the second season also, if not allowed to bloom too freely the first. One foot high.

Double Annual Varieties.

- Chinensis** (China or India Pink)—Superb varieties, double, mixed. Oz., 30c 5
Hedewigii (Double Japan Pink)—Beautiful double flowers; mixed colors. Oz., 60c 5
Diadematus (Double Diadem Pink)—Large flowers of dark shades, marked with white and black colors; rich and beautiful. Oz., 60c 5
Imperial (Double Imperial Pink)—Choice colors mixed 5
Alba Flore Pleno (Snowball)—Double white, fringed flowers; fine. Mourning Cloak (White Frill)—A splendid variety, with very double large flowers of rich purple maroon, almost black, each daisy edged with a margin of pure white, distinct, very fragrant. The Bride (Little Gem)—A charming new white with rich purple center; very pretty 5
Laciniatus (Double Fringed Japan)—Magnificent flowers, very large, petals deeply serrated and beautifully striped 5

Eschscholtzia. (California Poppies) Summer flowering annuals suitable for showy flowers. Sow where wanted to bloom, as they do not bear transplanting. Thin to 6 inches apart. The fine bushy plants grow about 1 foot. One of the best garden plants and easily grown. The large, brilliant saucer-shaped flowers are produced in great profusion.



California—Sulphur, orange center. Single 5
Mandarin—Large flowers of a bright scarlet; inner side 5

rich orange. Single 5
 Finest Single, mixed—5c. Double, mixed 5

Euphorbia. Strong growing annuals suitable for beds of tall growing plants or mixed border; the flowers are inconspicuous; the foliage, however, is very ornamental.

Variegata (Snow on the Mountain)—Attractive foliage, veined and margined with white. 2 feet 5

Heterophyllum (Annual Polinsetia, Mexican Fire Plant)—2 to 3 feet high, of bushy-like form, with smooth glossy green leaves, which, about midsummer become a beautiful orange scarlet, presenting a striking appearance 5

Ferns. Too well known to need description. They thrive best in peaty, sandy soil and moist, shady positions in the garden in summer. The seed is a little slow to germinate. Sow very shallow, barely covering the seed with fine soil.

Hardy Mixture. Fine collection of best kinds for outdoor culture. 15
Mixture, for greenhouses, not hardy 25

Fuchsia. Fuchsias are as easily grown from seed as cuttings, and from seed many new varieties are obtained. They will flower freely the first year in open ground, while the plants can be taken in the house in the winter, where they flower still more freely. Finest Single and Double Varieties mixed 15

FEVERFEW.—See *Pyrethrum*.

Dianthus

PINKS.

Fireball—Densely double dark blood-red flowers; extra fine. 5
Double, mixed—Many choice kinds. Large pkt., 10c; regular pkt. 5

Single Annual Varieties.

- Crimson Bell**—Very large, single, brilliant dark red flowers 5
Eastern Queen—Magnificent single flowers, 2 to 4 inches across; most splendidly striped and stained 5
Hedewigii, mixed—Flowers 3 ins. across; rich, beautiful colors 5
Laciniatus, mixed—Flowers very large, sometimes 3 inches in diameter; petals very deeply fringed and beautifully colored 5
SALMON QUEEN—A most beautiful new single Pink; the tints are distinct from all others; of the most brilliant salmon color imaginable; finely formed and nicely fringed 10

Hardy Perennial or Clove Pinks.

- Adapted for beds and borders; sweet scented; should be in all gardens.
PLUMARIUS (Pheasant Eye)—A beautiful single Pink, fringed edge, white flowers with dark center 5
PLUMARIUS, Double—Large flowering; fringed; many colors 10
NEW PERPETUAL—Very beautiful, sweet scented, double, semi-double and single flowers in a great range of colors 20

Freesia. Very easily grown bulbs, readily produced from pure white with yellow throat, and exquisitely fragrant 5



Forget-Me-Not.

(*Myosotis*) The Forget-Me-Not is an old favorite plant, bearing clusters of star-shaped delicate blue flowers with white and yellow eyes. It flourishes best in a moist, shady situation, and is in constant bloom nearly the whole season.

Blooms the first year from seed if sown early. Seed sown in autumn succeed best, flowering in early spring; hardy perennial

- Alpestris**—Bright blue, free blooming 5
Victoria—Of bushy habit; large azure-blue flowers; very fine 10
Alpestris, Alba—Pure white. ½ foot high 5
Robusta—Large sky-blue flowers, clear yellow eye; distinct; very fine 5
Disitiflora—Compact habit; profuse early bloomer; large flowers of exquisite blue; an attractive bedding plant; ½ foot 10
Semperlorens—Charming dwarf variety; thrives in sun or shade; covered from early to late with beautiful blue flowers 5
Forget-Me-Not, Mixed Kinds 5

Four O'Clock

Marvel of Peru—Old-fashioned, but not the less beautiful. Plant is bushy, 2 feet high, and bears hundreds of funnel-shaped white, red and striped flowers during the summer; very fragrant. Sow in open ground in any good garden soil. Hardy annual.

Variegated—Gold striped foliage, brilliant flowers. Oz., 20c 5

Tom Thumb, Dwarf—Handsome little bushy plants about one foot high, filled with flowers. Mixed colors 5

Sweet Scented—Long white fragrant flowers 5
Four O'Clock, mixed colors. Oz., 15c 5



FOUR O'CLOCKS.

Fountain Grass, Purple—An ornamental grass of graceful habit, producing long heads of a beautiful purplish bloom, resembling small Pampas Plumes. This grass is of special service as edging for Cannas, beds or other plants growing not less than 2½ feet in height.10

Geraniums

From Seed—The soil best adapted to starting Geranium seed is light and sandy. Sow in the house quite early so as to get into bloom the first summer. Transplant as soon as large enough, into small pots or boxes giving more room. Set out in the garden as soon as weather will permit. It is a pleasure to grow Geraniums from seed as you not only get a great many varieties, but very often some that are entirely new. We offer some of the finest mixtures. They are certain to give satisfaction.

Zonale—Mixture of largest and finest sorts.10
Double Varieties, Mixed.25
Variegated Leaved—Bronze, Gold, Tri-color sorts.15
Lady Washington—Pelegrinus—splendid mixture.20
Apple Scented—Fragrant.10



GERANIUM.

Gladolus.

Magnificent plants with sword like leaves and long spikes of flowers of every conceivable color and shade. The varieties are now numbered almost by thousands, each year bringing forth new and choice selections which have been produced from seed. Half hardy perennial. **A Splendid Mixture**.10

Gilia. A familiar and popular garden plant with finely cut and delicate foliage, producing dense globular heads of clustered blossoms. Beautiful foliage and flowers. Sow in masses early in spring in good soil. Hardy annual, 1 foot. **Mixed Colors**.5

Gloxinia. The Gloxinia is a grand pot plant of unrivaled beauty, as easily grown and cared for as many of the common flowers. They are of large size, beautiful shape and profuse bloomers, the colors ranging from pure white to dark blood-red, pink, lavender, indigo-blue, marble and spotted. Flowers will last in water, when cut, two weeks. Cultural directions on each packet. **Our Splendid Mixture**, of best kinds, is unsurpassed.25

Globe Amaranth. (Everlasting.)—Annuals with bushy plants two feet high, bearing profusely; an excellent everlasting or immortelle; also ornamental as summer blooming plants; flowers globe-shape, white, purple, orange and variegated; retain their shape and color for years; also good for cutting as fresh flowers. By some called "Bachelor's Button." **Double Mixed Colors**.5
Dwarf Double, Mixed—Of very compact, dwarf habit.5

Gourds. **Small Ornamental Sorts.**—A great variety of curiously formed and marked fruit. The vines are of rapid growth and with luxuriant foliage; adapted for covering screens and arbors; 10 to 15 feet high. **Mixed**, many beautiful kinds, Oz., 40c.5
SEE VEGETABLE LIST FOR SPLENDID ASSORTMENT OF GOURDS.

Grevillea Robusta.

"Silk Oak."—Beautiful and graceful foliage; highly valued as a decorative plant for the table. Easily raised from seed.10

Godetia. A beautiful hardy annual. The profuse flowering plants are covered with handsome shaped flowers of beautiful and delicate colors. Deserving of intensive cultivation; a child can grow them, in almost any good garden soil.

Bijou—Flowers white with large carmine spots.5
Fine Mixed—Many sorts and colors.5

Golden Rod. National Flower of the United States. The favorite, rich golden-yellow, hardy perennial wild flower, so popular in late summer and autumn. Easy to grow and perfectly hardy. Plants grow about 4 feet in height and are of graceful habit.5

Gypsophila. A plant that should be in all flower gardens, no other that lends more daintiness to bouquets of whatever kind. The delicate little flowers and branching foliage can be used with Roses, Carnations, Dahlias or other bloom, always with telling effect. The bloom dry nicely, and can be used in winter bouquets as well.

Muralis, dwarf annual of compact growth, 10 inches, for edgings; flowers pink.5

Paniculata—Baby's Breath!—A graceful hardy plant; flowers in feathery white panicles; 1½ feet.5

Gaillardia.

Splendid bedding plants, remarkable for the profusion, size and brilliancy of their flowers, continuing in bloom during summer and autumn.

Lorenziana—Beautiful and distinct in appearance; flowers globular, borne on slender stems; finely fringed; early; continue in bloom until frost. **Double, Finest Mixed**.5

Grandiflora—A splendid mixture.5

Single Flowering Varieties—Many beautiful colors.5



GAILLARDIA.

Helianthus. (Sunflower)—A well-known genus of most showy plants, remarkable for their stately growth and the brilliancy and size of their flowers; also said to absorb the miasma from the atmosphere, thereby being a fever and ague preventive.

"Stella." (Miniature)—New and beautiful; blooms all summer to late fall; small green foliage, fine yellow flowers with black disc; splendid for cutting. Flowers 2 to 3 inches across; grows 3 to 4 feet high.5

Silver Leaved—Flowers large, single, lemon-yellow. Plants grow 5 feet in height, with stems and leaves covered with silky white hairs.5

Globe of Gold—Globe-shape, extra double; large flowers, very much resembling a fine yellow dahlia; 4 feet.5

Mammoth Russian—Very large, single flower. Oz., 10c.5

Sunflower Our Mixture—Oz., 10c.5



HELIOTROPE.

Heliotrope.

Everyone loves the delightful fragrance and beauty of the Heliotrope, but very few are aware of the fact that it can be raised from seed as easily as verbenas. Seed sown in open ground the plants will flower in August, while a fine display can be had earlier by starting the seed in the house and setting out plants when the weather is warm.

King of the Blacks—Very deep10

Boule de Neige (Snowball).10

Dr. Livingston—Very fine dark sort.10

Choice Mixed—Dark flowering sorts.5

—very fine.5

Fine Mixture—Light and dark shades.5

HARDY GARDEN HELIOTROPE—See Valeriana.5

Hibiscus. A branching plant of the easiest culture, with very pretty foliage and large flowers, exceedingly showy, and continue to bloom from June to October. Sow seed early. Hardy annual.

Africanus—Flowers are creamy yellow, with purple center.5

Crimson Eye—One of the best plants of the recent introductions. The very large white flowers have a deep crimson center. Succeeds anywhere and blooms profusely.10

Giant Yellow—A shrubby perennial with flowers 6 to 9 inches in diameter. The color is a rich deep canary with velvety garnet center. Seed should be started early in the greenhouse or window, so as to set outside early in the season.10

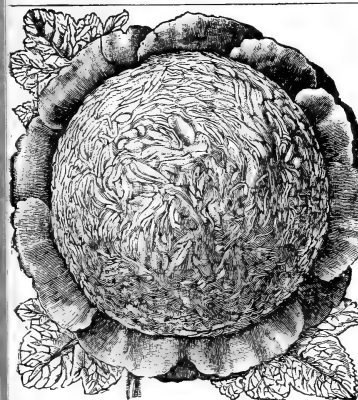


HIBISCUS, CRIMSON EYE.

Humulus Japonicus. (Japanese Hop)—This new is a splendid annual climber for rapidly covering arbors, walls, trellises, etc.5

New Variegated—Leaves beautifully variegated with silvery-white, light and dark green; very effective for screens, arbors, trellises, etc.10

Hyacinth Bean. (Dolichos Lablab)—A splendid annual climber, with abundant clustered spikes of purple and lilac flowers, which are followed by exceedingly ornamental seed pods. It is of rapid growth, climbing 20 feet in a season. **Purple and White, Mixed**—Oz., 15c.5



DOUBLE HOLLYHOCK.

Hollyhock.

The Hollyhock, in its present state of perfection, is very unlike its parent of ye olden time. It now ranks with the Dahlia, Aster, etc. For a background to the flower-garden, perhaps no plant is so useful; the flowers are as double as a rose, of many shades of color. Once started they keep coming year after year. The seed we offer of this handsome flower has been saved from the best collections in Europe.

New Fringed Mammoth Double, ALLEGHENY. A decided improvement over the old-fashioned variety. Its fine, transparent, fringed flowers look as if they were made up of crushed silk, and are from 5 to 7 inches across. Colors—shell-pink, rose, ruby-red, etc. A plate filled with the flowers is very handsome, and as flowers to wear they are very lasting. Perpetual bloomers. 10

SUPERB DOUBLE VARIETIES.

Pure White.....	10c.	Pink.....	10
Fast-Black, edged white.....	10c.	Lemon Color.....	10
Extra Choice, mixed.....	10c.	Good Mixture.....	5

ANY THREE 10-CENT PACKETS OF HOLLYHOCKS, 25c.

Helichrysum. (Everlastings)—Large, full, double, from bright yellow to scarlet, shaded and tipped, also pure white. Peculiarly desirable as dried specimens, and exceedingly handsome bouquets may be formed of them for winter, if blossoms be gathered when on the point of expanding. Sow in spring in any good garden soil, and thin the plants to one foot apart each way. Hardy annual.

Large Flowering Double, Mixed—A rich mixture 5
Dwarf Mixed—A mixture of many choice dwarf kinds 5

Ice Plant. A singular looking plant with thick, fleshy leaves, which have the appearance of being covered with crystals of ice. Start early in pots, and transplant into light, sandy soil in warm situation; tender annual 5

Impatiens. (Zanzibar Balsam.)—This plant is of compact habit, neat habit of growth, and almost a perpetual bloomer. Planted out in the open air at the end of June it grows luxuriantly, flowers with the greatest profusion. Beautiful plant for window culture in winter; tender perennial. 1 foot Sultani—Bright rose....10c. Hybrid—Finest Mixed 10

Job's Tears. An ornamental grass, which, when dried flowers, makes an attractive winter bouquet. The seeds may be strung like beads and make a nice plaything for the baby. Half-hardy annual; 1 to 2 feet 5

Kenilworth Ivy. A hardy and pretty little climber for covering rock-work, and very useful for hanging baskets, vases, etc. Placed in a shaded location, it is very easily grown. Hardy perennial 10

Lupinus. (Sun Dials.)—Strong growing garden annuals with graceful spikes of rich and varied colored flowers; useful for mixed beds and borders. 1½ to 3 feet high. Finest Mixed Colors 5

Lantana. Popular free-blooming and very rapid growing plants with large flower heads of various colors which emit a powerful aromatic perfume, and are continually changing their color. During the summer plants are completely loaded with blossoms, succeeded by berries, which, when ripe turn deep blue. Start plants in the house or hot-bed; protect from frost; tender perennial. Finest Mixed 5

Ipomoea.

Moon Flowers, Brazilian Morning Glories.

Climbers of rapid growth, with beautiful and varied flowers; for covering old walls, trellises, arbors or stumps of trees they are invaluable.

New Northern Light—The earliest blooming of all evening glories; its lovely pink, lavender colored flowers are about 2 inches in diameter, has large, handsome foliage; a great drought resister; rampant growers from the very start..... 10

Brazilian Morning Glory—Flowers 3 inches or more across, of a beautiful rose color, borne in large clusters very freely from July until frost. Leaves 8 to 12 inches across. As a quick growing vine and dense shadher it has no equal, covering an enormous space in a few weeks; hard to beat it for covering trellis, porches, etc..... 10

Coccinea—Small scarlet flowers in profusion; also known as the "Star Ipomoea" 5

Bona Nox (Evening Glory)—Violet, large fragrant flowers, expanding in the evening 5

Heavenly Blue (Rubra-Cerulea)—Immense bright sky-blue flowers; very beautiful 10

LEARI—"Blue Dawn Flower"—A grand companion to the White Moon Flower. It has a lovely satin blue flower with crimson bars. Planted with the White the effect is very striking: of easy culture outside, also a good green-house climber .. 10

MOON FLOWER—White seeded (*Ipomoea Notiflora*, or *Grandiflora Alba*)—The variety most generally grown, being large in flower, firm in texture, and very fragrant. It bears in greatest profusion its immense lovely white flowers, to 6 inches in diameter, with a five-pointed star in the center; the flowers are deliciously fragrant. If planted in rich ground, in a sunny situation, the vines attain a height of 25 feet..... 10

MOONFLOWER—Cross-Bred or Hybrid—A new variety of great value for the hort as it is in bloom a month earlier than the preceding: flowers pure white, large and fragrant. It grows very rapidly from 30 or 40 feet..... 10

Larkspur.

(*Delphinium*.)—The Larkspur is one of the handsomest and most useful plants and will bloom in the dryest season with surprising persistency. The brilliancy of some of the colors is unsurpassed.

HARDY ANNUAL SORTS.

New Chinese—Hardy plant of great beauty, produces handsome flowers; plant increases in size each year. 5
Double Dwarf Rocket—Grows 12 inches. 12 Good Kinds Mixed 5
Double Tall Rocket—Finest tall-growing kinds. Mixed 6
Tall Stock-Flowered—Spikes of double flowers 18 inches long; very beautiful; branching; grows 2 feet. Many brightest also best colors. Mixed 5
Emperor—Compact and profuse bloomer, having erect spikes of perfectly double flowers in the most delicate colors; beautiful in summer and fine for winter bouquets. Mixed Colors 5

BEST HARDY PERENNIAL SORTS.

Formosum—Rich blue flowers; long spikes; fine for cutting; 3 feet 5
Choice Mixed—Comprising a wide range of shades and colors—White, Pink, Blue and Purple 5

Lobelia. Exceedingly pretty, profuse-blooming plants of great value to the flower garden; their delicate drooping habit and profusion of charming little flowers render them ornamental.

Goldseal—Golden yellow foliage and deep blue flowers; charming. 10
Crystal Palace—Compact; dark blue; excellent for edging. 5
Emperor William—A very intense blue flower; one of the best. 5
White Gem—Dense balls of pure snow-white flowers; beautiful. 5
Royal Purple—Dark stalks; deep blue flowers; distinct white eye. 5
Gracilis—Fine for hanging baskets, vases; light blue; trailing. 5
Finest Mixed, compact varieties, in many colors 6

Lychnis. But few plants produce such bright bloom and so continuously; hardy perennial, but they bloom the first season from seed.

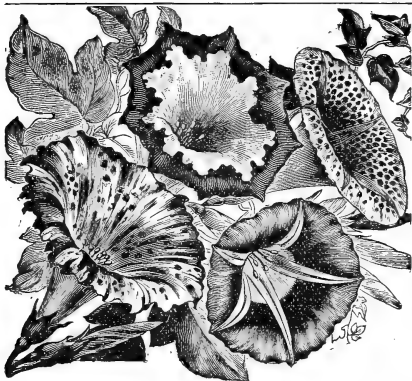
Maageana Hybrid—Fine mixed varieties 5
Grandiflora Giant—Immense scarlet flowers. 3 feet 5



MARIGOLD—LEGION OF HONOR.

Marigold. A well-known plant with handsome flowers of rich and beautiful colors and neat, compact green foliage, producing a splendid effect in almost any situation. Half-hardy annual.

Legion of Honor—"Little Brownie"—Prettiest and handsomest of all dwarf Marigolds; bloom from beginning of summer until late in the fall. Flowers a beautiful rich golden yellow marked with large blotches of velvety brown. 1 foot. 5
Tall African, mixed—Many double varieties 5
French Dwarf, Double mixed—Compact; masses of very double flowers. 1 foot..... 5



NEW JAPANESE MORNING GLORIES.

Japanese Morning Glories. **NEW GIANT FLOWERED.**

Most beautiful and valuable annual flowers introduced in 25 years, and the most popular. Magnificent in size and appearance. The great variety of rich and delicate colors, tints and markings is wonderful and almost incredible. Many are of very odd and singular forms. The foliage is almost as beautiful as the flowers, and they would be worthy of culture even if they had no flowers. The leaves are of various forms, some try like smooth and glossy, others very hairy, some are green, splashed and variegated. Vines grow rapidly, climbing 15 to 30 feet, and soon cover arbors, piazzas, etc., with a mass of rich foliage and flowers. Price of True Japanese Stock— $\frac{3}{4}$ oz., 10c; oz., 15c; 4 ozs., 50c.

NEW DOUBLE FLOWERING JAPAN—Rapid climbers; flowers mostly double, semi-double and a few may come single. Beautiful colors mixed. 10

Common Morning Glories. (Convolvulus Minor.)

The best known and most popular annual climber we possess, growing 30 to 50 feet. **Splendid Mixture of Choicest Kinds**—Many bright colors—Lb., 75c; $\frac{3}{4}$ lb., 25c; oz., 10c. 5
White....5c. **Rose**....5c. **Blood Red**....5

Dwarf or Bedding Morning Glories—See Convolvulus Minor.

Mina Lobata. Rapid and luxuriant climber. Flowers spikes from bottom to top; bright red, changing to orange, then cream. Tender annual. Start early in pots. 15 to 20 feet. Lobata 10

Mina, Sanguinea—A most beautiful annual climber; an early and profuse bloomer; has oak-like leaves; its large clusters of flowers are blood red with yellow throat. Soon climbs 20 to 30 feet. 10

Lobata and Sanguinea, mixed..... 10

Matricaria. Alba Plenissima—(Double white Feverfew)—Bushy annual garden plant, bearing quantities of white double button-like flowers, useful for cutting; succeeds in any garden soil; fine for bedding or pot-culture. 10

Nicotiana. A very pretty, large flowering tobacco. Half hardy annual. 5
Affinis—Rosy blush; sweet scented, white flowers. 3 feet..... 5
Collossea—New giant; immense foliage. 5 to 6 feet..... 5

Nasturtium, New Dwarf Chameleon.



FLOWER OF NEW DWARF CHAMELEON NASTURTIUM.

True French. This highly interesting new variety presents a most unusual feature—flowers of different colors on the same plant, also that they are variously blotched, splashed, striped and bordered with these several colors. On one and the same plant self-colored flowers are found, others curiously stained or flushed on clear ground, while others arc broadly edged with light shades or have dark margins. Oz., 15c; 2 ozs., 25c; $\frac{3}{4}$ lb., 40c. 5

Tall Chameleon, French.

A tall growing sort; flowers have the same habit of continuous change of color as those of Dwarf Chameleon. Unsurpassed for covering trellises, fences, etc. Oz., 15c; 2 ozs., 25c; $\frac{3}{4}$ lb., 35c. 5

Mignonette.

A well known plant producing semi-globular heads of very fragrant flowers on spikes 3 to 10 inches long. Sown at intervals during the spring and early summer it will bloom until killed by frost; sown in autumn will bloom early in spring. Hardy annual; perennial, if protected.

Reseda odorata (Sweet Mignonette)—A well known fragrant hardy annual. Oz., 10c. 5

Parson's White—Robust habit; pure white. Oz., 30c. 5

Victoria Red—Perfect beauty; beautiful pyramidal spikes of pretty, brilliant red flowers, dark glossy green foliage. Oz., 50c. 5

Miles' Spiral—Very pretty white flower spikes 8 to 12 inches long. A strong grower and most abundant bloomer. Oz., 15c. 5

Grandiflora—True—Large flowering Sweet Mignonette. Oz., 15c. 5

Golden Queen—Fine. Flowers of golden hue. Oz., 30c. 5

Bismarck—Strong growing plants, about 1 foot high; flower spikes very broad, pyramidal in form, thickly covered with beautiful reddish blossoms. A coming standard. 2 pkts. 25c. 15

Machet—Dwarf; good habit; large spikes of sweet scented red flowers; one of the best for garden or pot culture. Oz., 40c. 5

GOLDEN MACHET—Large spikes, golden-yellow flowers. Oz., 40c. 5

Ruby—New. A greatly improved large flowering variety of the Machet type. Very strong spike of beautiful scarlet flowers. 10

Allen's Defiance—When well grown spikes are 10 to 15 inches long; flowers very fragrant; keep three weeks after cutting, retaining their grace and fragrance to the last. 10

Many Kinds Mixed—Oz., 15c. 5

Moonflower.—See Ipomoeas.

MAURANDIA.

Maurandia. One of the popular climbers. Beautiful, rapid growing, blooming profusely until late in autumn; also fine for conservatory or greenhouse; if desired for the house take up before approach of frost. A half-hardy perennial, flowering the first season if sown early. Choicest Kinds, mixed. 5

Mimulus. Monkey Flower.

Shrubby, profuse flowering plants, comprising numerous varieties with white, sulphur and yellow grounds, spotted with crimson, scarlet and pink; fine for greenhouse or moist, shady situations; half-hardy perennials; seed sown early will bloom first season; cover seed slightly. Fine Mixed Spotted Varieties. 5

Musk Flowers—Fine for hanging baskets, etc.; small yellow flowers; leaves emit musk odor. 5

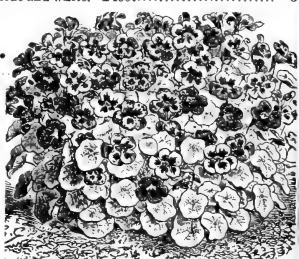
Musa Ensete. (Abyssinian Banana Plant.)

Strikingly effective as single specimens upon the lawn, as well as in clumps or masses. Its rapidity of growth is astonishing; if seed is sown early in the house, they will attain a height of 10 to 12 feet the first summer. The leaves are magnificently long, broad and massive, of a beautiful bright green. Musa. 25

Mourning Bride.—See Scabiosa.

Nigella. (Love in a Mist, or Devil in the Bush)—A compact, free-flowering plant with finely cut foliage, curious looking flowers and seed pods; hardy annual. 5

Damascena—Mixed, blue and white. 1 foot. 5



PLANT OF NEW DWARF CHAMELEON NASTURTIUM.

Nasturtiums.

Our stocks of both tall and dwarf Nasturtiums are obtained from the best sources. Our very large and rapidly increasing trade show that they are giving very satisfactory results. You take no risk in planting largely from these stocks.

Dwarf or Tom Thumb Varieties.

(Tropaeolum Minor.) The improved dwarf varieties are among the most popular as well as useful for bedding, massing, etc., owing to their compact growth, richness of color and profusion of bloom. 1 foot.

PRICE of any of the Following Named Varieties—Packet, 5c.; Ounce, 10c.; ¼ lb., 30c.

Aurora—Deep chrome yellow veined with carmine.

Crystal Palace—Yellow, carmine spots.

Cloth of Gold—Scarlet flowers, yellow foliage.

Empress of India—Dark scarlet.

Fair—Creamy white.

Ruby King—Light ruby red.

Dwarf, Mixed Many Kinds—Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

PRINCE HENRY—Golden yellow; scarlet spots tipped wine red.

Golden King—Brilliant yellow.

King of Tom Thumbs—Scarlet.

Ladybird—Rich golden yellow, crimson spots.

Spotted King—Deep yellow, chocolate spots.

New "Lilliput" Nasturtiums.

A Grand New Class. Plants are smaller in every respect than Tom Thumb. The many small flowers of varied charming colors are borne well above the foliage; leaves small and round. For beds and borders, very effective indeed. Many colors mixed. Pkt., 5c.; oz., 15c.

Lobb's Climbing Nasturtiums.

As easily grown as the common Tall Nasturtiums, but the brilliance and profusion of blooming of the Lobbian varieties render them superior for greenhouse or conservatory decoration in winter; also for trellises, arbors, vases, etc., in summer. 10 to 15 feet. Price of any of the following named varieties, pkt., 5c.; oz., 10c.; ¼ lb., 30c.

Brilliant—Bright shining scarlet.

Lucifer—Bright glowing scarlet.

King of the Blacks—Deepest brown.

LOBB'S MIXTURE—Of above and many others; fine varieties.

oz., 15c.; ¼ lb., 30c.; lb., \$1.00.

FIREFLY—Splendid and distinct variety with large flowers of dark orange, spotted and flamed blood-red; spur also blood-red; foliage and stems dark. ½ oz., 10c.; oz., 15c.

MARGUERITE—Large, pale yellow, spotted and flamed blood-red; foliage and stems dark. ½ oz., 10c.; oz., 15c.

PRIMROSE—Creamy white with brown spots; large flowered. A charming variety. ½ oz., 10c.; oz., 15c.

Madame Gunther's Hybrid Nasturtiums

For richness and variety of colors these new hybrids have no equals among Nasturtiums. They are shades of rose, salmon, brightest red, pale yellow, either as self colors or spotted and striped. The foliage is mostly dark and contrasts effectively with the rich colors. They are Climbers and free and continuous bloomers. oz., 10c.; ¼ lb., 30c.; lb., \$1.00.



"SUNLIGHT" NASTURTIUM. NATURAL-SIZE FLOWER.

Tall, or Climbing Varieties.

Beautiful and luxuriant annual climbers for verandas, etc., of the easiest culture. Profuse bloomers until killed by frost. Stands heat and drought without the slightest effect. The seed pods may be gathered while green and tender, for pickling. Six to ten feet. Price, any of the following varieties, except as noted, pkt., 5c.; oz., 10c.

Crimson—Rich and glossy.

Lemon Yellow—A fine variety.

Scarlet—Intensely bright.

Yellow Spotted Crimson—Striped Scarlet.

King Theodore—Deep crimson, dark leaves, very striking.

Golden Cloth—(New) Foliage bright yellow; flowers scarlet.

Tall Kings, Fine Mixture—Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Sunlight—A strong grower; free bloomer, sometimes almost concealing the large, dark-green foliage; of largest size—sometimes 3 inches across, of rich, golden yellow color. Petals large, rounded and delicate; two upper ones have delicate brown lines at base, the three lower ones fringed at throat. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

VESUVIUS—By far the most brilliant of all the tall growing Nasturtiums. Flowers very large, perfectly round, the petals overlapping each other, while the color is the most gorgeous fiery rose imaginable. Pkt., 5c.; oz., 20c.; 4 ozs., 60c.

Oxalis. Pretty little half trailing annuals, for hanging baskets, vases, rockwork and edgings, flowering in profusion; 6 to 9 inches. Mixed—Annual sorts. 5

Oenothera. (Evening Primroses or Sun Drops.)—Large, showy flowers of various colors, hardy annual. Fine Mixed. 5

Mexican Primrose—1 foot high; large, bright yellow flowers. 10

Primula. (Chinese Primrose)—Charming, profuse blooming plants for winter and spring decoration in the house. Sow seed in March, cover lightly and keep moist. Transplant when the second leaves appear, and continue shifting as they grow.

FIMBRIATA LARGE FLOWERING FRINGED SORTS. 25

BEST WHITE—Fine. 25

LARGE FLOWERING FRINGED—A superb mixture that gives the greatest satisfaction. 25

LARGE FLOWERING, Unfringed—Finest mixed; gives satisfaction for general purposes. 15

DOUBLE FRINGED LARGE FLOWERING—Splendid mixture of finest sorts; cannot fail to please. 25

FORBES—(The Baby Primrose)—Begins blooming in a few months, from seed, and continues for months. Rose color, with yellow eye. One of the finest pot plants. 15

OBONICA—A lovely and profuse blooming Primrose bearing on long stems heads of beautiful flowers, white, tinged lilac and rose shade; ever-blooming; true Primrose fragrance. 10

JAPONICA (Japanese Primrose)—Bright, showy flowers borne on stems 8 to 12 inches long. Mixed Colors. 10

FRINGED PRIMULA.

Portulaca. "Rose Moss" Should be in every garden. Scarcely any flower in cultivation makes such dazzling display of beauty as a bed of highly colored, many hued Portulacas. In bloom from July until frost. Plant in dry sandy soil in open ground as soon as it has become warm. Let the bed have full exposure to the sun and withhold water after the plants appear. They stand any amount of dry weather. Specimens of double varieties are about 1½ inches across, perfectly double, of many colors, and remain open all day. 10

FINEST SINGLE—Mixed—Many beautiful colors. ½ oz., 10c.; oz., 35c.

DOUBLE ROSE-FLOWERED—As double as the most perfect rose. 10

Many Colors Mixed. 10

Double White. 10

Rich Scarlet. 10

Bright Orange. 10

Pyrethrum. (FEVERFEW)—Hardy Flowering Varieties—Valuable for borders, plants, throwing up numerous stems about two feet high, each surmounted with flowers 2 to 4 inches across: colors rose, flesh, pink, crimson, etc. Remains in bloom a long time. (Also see Matricaria.) 10

Single Large Flowering Hybrids, Mixed. 10

Double Large Flowering Hybrids Mixed. 10

Roseum—Fine large flowers, white to pink and deep rose color, borne on long stiff stems; valuable as a cut flower. Entirely hardy. 10

PYRETHRUM—YELLOW FOLIAGE SORTS "Golden Feather."

Dwarf-growing plants extensively used for ribbon and carpet bedding; grows about 8 to 12 inches high; bright yellow foliage. Usually grown as annuals, although perennials. 10

Aureum (Golden Feather)—Foliage finely cut and fringed. 10

Selaginoides—Fine cut fern-like golden yellow foliage; 6 inches. 10

Portulaca. "Rose Moss"



DOUBLE PORTULACA

Livingston's Pansies

Our Pansy Seed is the Best to be obtained.

This Favorite Flower is one of our Specialties.

The following varieties and mixtures are secured from special Pansy Growers in the United States, England, Germany, France and elsewhere, regardless of cost. We do not hesitate to recommend them with the greatest of confidence to florists having the most critical trade.

These charming favorites are very much improved in color, size and shape, and no flower is more popular with florists and amateurs, giving an abundance of bloom until after severe frosts, enduring our hard winters with safety, and greeting us in the earliest spring with a profusion of bright blossoms. It will flower better in the middle

of the summer if planted where it is somewhat shaded from the sun, and furnished with a good supply of water, but in almost any situation will give fine flowers in the spring and autumn. Pansy seed may be sown in the hot-bed or open ground; if sown in the spring, get in as early as possible, so as to have the plants in bloom during the early rains; they are easily transplanted. Seed sown in a cool place in June or July, and watered until up, will produce fall flowering plants; if sown in October they will flower in early spring. To have good flowers the plants should be vigorous and make a rapid growth. Young plants give the largest flowers.

Giant Trimardeau Pansies.

Flowers of enormous size. An altogether distinct and beautiful new race, the flowers of which are larger than any hitherto produced. Each flower is marked with three large blotches or spots, and the plants are of compact growth and produce an endless variety of beautiful shades.

TRIMARDEAU GIANT WHITE—Very beautiful, white, with violet eye. 10

TRIMARDEAU GIANT STRIPED—The finest large flowering black Pansy. 10

TRIMARDEAU GIANT YELLOW—One of the finest and showiest. A beautiful clear low, heavily blotched on the three lower petals. 10

TRIMARDEAU GIANT DEEP BLUE—A superb variety. 10

TRIMARDEAU GIANT MIXED—Including all above varieties. 10

TRIMARDEAU GIANT PARISIAN LARGE STAINED—Very showy, mostly white ground and fine blotched. 10

Above Collection of Trimardeau Pansies, including one of Trimardeau Mixed, for 50c. postpaid.

Tufted Pansies. Finest mixture of these long and free blooming new varieties. 10

Empress Pansies.

Seed direct from a noted Pansy Specialist of England. This extraordinarily fine "make-up" has carried off more prizes than any other shown at the many critical exhibitions in that country. 25

Bugnot's Giant Blotched.

Flowers of enormous size, nearly circular in form, and in a great variety of the handsomest and rarest colors, including some shades found in no other variety. Each petal has a distinct, deeply colored broad blotch. 10

Cassier's Giant Odier, Five-Blotched.

The largest flowered and heaviest blotched of this class. Various colored, large, handsome, perfectly formed flowers, dark spots on each petal. **Mixed**. 10

VARIOUS NAMED PANSIES.

PRESIDENT CARNOT—A New Pansy of striking beauty; petals pure white, with deep violet blotch. 10

GIANT BLACK-BLUE—Large and very distinct; of richest blue. 10

VICTORIA—A fine wine colored variety; effective. 10

PEACOCK—Bright colored, large and beautiful, the upper petals bearing of a beautiful ultramarine blue, resembling in shade the Peacock feather. Lower petals deep claret, with white margins. 10

EMPEROR WILLIAM—Large, handsome flowers, brilliant ultramarine blue, with purple-violet eye, borne in great profusion. 5

LORD BEACONSFIELD, Giant—A highly attractive variety; large purple-violet; white on the upper petals. 5

PHEASANT'S EYE—A pretty and most peculiar Pansy. Upper petals light blue edged violet, lower petals marbled and spotted. 5

GIANT HORTENSIA—A fine new red variety. 10

FAIRY QUEEN—A beautiful light blue, white bordered pansy. 10

FIRE KING—Golden yellow, upper petal purple; very showy. 5

RELIGIAN STRIPED—Lovely class; beautiful flowers; various shades. 5

AZURE BLUE—Extra fine; lavender, shaded dark blue. 5

LIGHT BLUE—Lovely sky-blue variety; very fine. 5

YELLOW (Black Center)—A splendid yellow with dark eyes. 5

YELLOW GEM—Without eye. A beautiful pure yellow Pansy. 5

DARK PURPLE—A fine, rich deep purple. 5

MAHOGANY COLORED—The best rich mahogany brown. 5

SNOW QUEEN (Snowflake)—Delicate satiny-white; very pretty. 5

KING OF THE BLACKS (Faust)—Almost black; darkest known. 5

SILVER-EDGED—Dark purple; distinct white edging; charming. 5

METEOR—Bright brown with a beautiful margin of yellow. 10

GOLD MARGINED—A splendid yellow edged pansy. 5

PURE WHITE (Black Center)—One of the showiest. 5

VIOLET—Margined with white; extra fine. 5

NOTED MIXTURES OF PANSIES.

GERMAN IMPERIAL, Mixed—A splendid mixture of the well-known German Pansy. 10

ENGLISH PANSY, Finest Mixed—The true English Face Pansy. Very showy; each marked with a distinct face. Plant compact. 10

FRENCH PANSY—Large flowering, in choicest mixture. 10

NON PLUS ULTRA—Very choice mixture of finest varieties. Richest mixture ever sent out by a noted German Pansy grower. 10

INTERNATIONAL MIXTURE—"All Nations"—A favorite mixture. 10

MAMMOTH BUTTERFLY MIXTURE—Gorgeous. 2 packets 25c. 15

LARGE FLOWERING—Many separate colors and choice kinds. Very Fine Mixed. 10

GOOD QUALITY, Mixed— $\frac{1}{4}$ oz., 30c.; $\frac{1}{2}$ oz., 40c.; 1 pk., 15c. 5

Special Pansy Offers. We offer buyers choice of one or more kinds of the above **Five 5-cent packets for 20c.; three 10-cent packets, 25c.; seven 10-cent packets, 50c.; three 25-cent packets, 60c.; 15 packets, brightest and best Pansies, our selection of varieties, mailed for only \$1.00.** Price by the Ounce, of any variety of Pansy, will be furnished on application.

Pansies

Livingston's Fancy Mixture.

This Mixture has Become Famous
the Country over and we Defy
the World on it. . . .

The seed is saved from the largest and rarest flowers of most perfect form, richest colors, and first-class in all points. Universally admired, and sure to please all lovers of choice, large and fancy Pansies. The small difference in cost of seed over that of other mixtures is covered 100 fold in satisfactory results obtained by the grower. Packet, 25c.; 3 packets for 60c.

Livingston's Mixture of **PANSIES** Aget up of our own SCARLET AND RED. . . . for an attractive and beautiful bed of these beauties. It contains many of the finest reds and scarlets found among the best growers both at home and abroad. Packet, 10c.; 3 packets, 25c.



Giant Fire King Pansy. New. Very bright and showy; rich crimson and gold flowers of good texture; fine form. ALL SHOULD TRY THIS GRAND NEW PANSY. Packet, 10c.
Mrs. J. F. U., Kinsman, Ohio. "The Pansy seed were just fine."

Poppies

Poppies, like many old fashioned flowers are becoming more popular each season. This is due in some measure, no doubt, to the introduction of many new varieties having a profusion of brilliant and delicate shadings of color. They are also veined, streaked and flaked in charming profusion. This is true in both the single, semi-double and double sorts. Sow on top of good garden soil, quite early, cover very little and thin out plants to about 6 inches apart.

TULIP POPPIES—Large and splendid flowers of the most dazzling scarlet. The two outer petals resemble a saucer in which are set two erect petals of the same color. Color is of such richness as to fairly dazzle the eye. . . . 5

SHOWDRIFT—Pure snow-white; double flowers of perfect form; large size. . . . 5

BRIGHT YELLOW—A rare new color. . . . 5

MIKADO, Striped Japan—Very distinct in color and character. Large, double pure white flowers, at the back elegant curled petals edged with scarlet. . . . 5

PEACOCK—Bloom cherry-scarlet, with dark glossy zone on petals forming a ring. . . . 5

CARNATION-FLOWERED—Double. Flowers unequalled for dazzling richness and variety of color. 1/2 oz. 10c. . . . 5

GOLDEN GATE—Fine mixture of singles, doubles and semi-doubles, with no end to the colors. . . . 5



THE SHIRLEY POPPY.

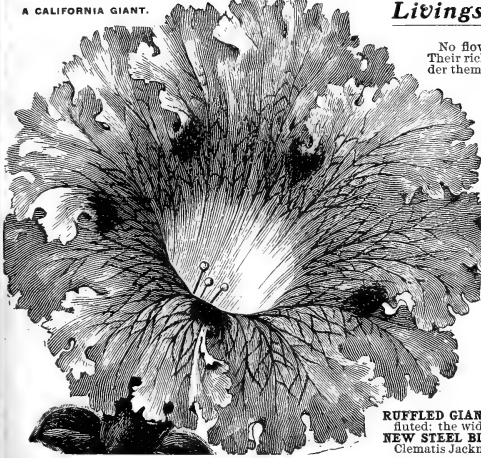
WHITE SWAN—Immense double fringed flowers of purest white. . . . 5

ICELAND POPPIES—Colors range from purest white, yellow to deep orange-scarlet. Flowers are deliciously fragrant and delicate, borne on long stems and last a long time if cut as soon as open. Plant hardy, easy to grow; bright green, fern like foliage, 12 inches high. . . . 5

LIVINGSTON'S MIXTURE. Many excellent sorts and colors. Will surely please. Oz. 40c.; 1/2 oz. 25c. . . . 5

ANY SEVEN 5-CENT PACKETS OF POPPIES FOR 25 CENTS.

A CALIFORNIA GIANT.



Livingston's Superb Petunias.

No flower surpasses, if indeed equals, the Petunia for massing in beds. Their richness of color, duration of bloom and easy culture will always render them welcome and popular. They will do well sown in open border in spring, or earlier in a cold frame or hot-bed, and transplanted 18 inches apart. By the latter process they will come into bloom much earlier, though they will do perfectly well sown in the open ground. Be careful not to cover the small seeds too deeply. It is well known that seed of Double varieties do not produce double flowers. Be careful to save the weaker seedlings as they usually give the finest double flowers.

Alba—Pure white flowers; satisfactory for cemetery bedding. . . . 5

Dwarf Inimitable—Forms a compact little plant, 5 to 8 inches high, covered with beautiful cherry-red flowers white center, suitable for edging or massing. . . . 10

Snowball—Forms compact bushes about 8 inches high; produces pure satiny-white flowers in profusion all summer; splendid for pots or bedding. . . . 10

Blotched and Striped—Flowers with star-shaped blotches; fine form; effective; fine for bedding and window boxes. . . . 5

Extra Fine Hybrid—Superb strain; very rich mixture. . . . 5

Fine Mixture, in many colors. . . . 5

LARGE FLOWERING—FANCY HYBRIDS.

Single Large Flowering—In choice mixture. . . . 10

Double Large Flowering, all sorts—A superb mixture. . . . 25

Double Fringed Large Flowering—Extra fine mixed. . . . 25

Double Fringed Large Flowering—Very choice fringed. . . . 25

GIANTS OF CALIFORNIA PETUNIAS.

The flowers are exquisitely ruffled and fringed and of enormous size, often measuring five inches across, but their great merits lie in the innumerable blotching and stripings; some of the colors are rich and gorgeous, and others of lovely delicate shades. **Splendid Mixed, Choice Varieties** . . . 15

RUFFLED GIANTS—Extra size and substance, very deep throat, fringed and edged; the colors unsurpassed. **A Superb Mixed** . . . 25

NEW STEEL BLUE—Beautiful variety; lovely steel blue flowers shaded with blue. **Clematis Jackmanii**; perfectly distinct. . . . 15

Livingston's Sweet Peas

A Superb Collection
including best
Up-to-Date Kinds.

PRICE.

Postpaid, any
variety on
this page—

Pkt., 5c;

oz., 10c;

¼ lb., 25c;

½ lb., 75c.

Any 6 pkts.

20c.; any

13 pkts.

40c.

Some of the Best New and Most Reliable Sweet Peas.

America—Bright blood-red, striped white.
Apple Blossom—Rosy pink, with blush wings.
Aurora—Orange salmon, flaked and striped white, extra large.
Black Knight—Very dark maroon.
Blanche Burpee—Large, pure white; fine form.
Blanche Ferry—The popular pink and white, very free flowering.
Blanche Ferry, Extra Early—Same color as preceding, but flowers 10 days earlier.
Blushing Beauty—Medium early; rich deep blush pink; large hooded form; very fine. (ROYAL ROBE.)
Boreatton—One of the darkest and richest colored; satin-like maroon.
Brilliant—A new brilliant scarlet. Flower of excellent substance.
Butterfly—White, edged and shaded with blue; a very acceptable variety, and one of the best we have ever grown.
Capt. of the Blues—Grand, bright purple-blue.
Captivation—Rosy purple, a distinct shade.
Celestial—Delicate lavender.
Coquette—Primrose, tinged blush and lilac.
Countess of Radnor, Improved—(New Countess). Beautiful pale lavender; a decided favorite.
Crown Jewel—Creamy white, tinted and veined with rose.
Duke of Clarence—Bright rosy claret; a fine dark sort.
Daybreak—Watered crimson scarlet on a white ground; a free bloomer; vigorous, upright grower; good stems.
Earliest of All—A distinct new strain of Blanche Ferry; more dwarf and 10 days earlier. The "record-breaker" for early flowering, and one of great merit. Stems long and stout; flowers large; standards a bright, rich pink; and wings nearly pure white.
Emily Eckford—White shaded and edged light pink; large and fine.
Emily Eckford—Bright shade of heliotrope.
Emily Henderson—Purest white; fine bold flowers on good stems; early.

Firefly—Intense crimson scarlet; large flowers; one of the best.

Gorgeous—Most gorgeous color of all, deep, rich orange-salmon; bears flowers of immense size, at the end of long stout stems.

Gray Friar—Large blossoms of excellent form, beautiful watered-purple on white ground, giving a gray effect; makes attractive bouquets.

Her Majesty—Beautiful bright rose, with large full flowers.

Juanita—White ground, delicately lined lavender.

Katherine Tracy—A soft, brilliant carmine pink; vigorous grower; a large expanded flower of good substance.

Lady Penzance—Delicate rose; wings pure pink, an early and free bloomer.

Lottie Eckford—White shaded and edged lavender.

Lovely—Soft shell-pink, an exquisite color.

Maid of Honor—Flowers light blue, on a white ground; bold edge of deep lavender; showy.

Mars—Brilliant deep scarlet.

Modesty—Delicate soft pink; large and perfect flowers.

Monarch—Purplish maroon or bronzy crimson.

Mrs. Eckford—Pale primrose yellow, extra fine flowers and form.

Mrs. Jos. Chamberlain—Rosy pink; finely striped white.

Mrs. Sankey—(Black Seed)—Pure white; fine, bold flowers.

Mrs. Gladstone—Early to medium early; soft flesh pink, of good size. One of the best of its type.

In rearranging our Sweet Pea List this season, after making thorough tests on our extensive trial grounds, and consulting the opinions of well-known Sweet Pea Specialists we have discarded some older varieties, inserting such of the new sorts and recent introductions as are worthy of our commendation, retaining only the best for general cultivation.

The following varieties are the **Cream of the List** and have been selected with a view to please the most critical grower.

How to Grow. Plant early in rows running North and South is best. Will work fine. Make a trench 12 inches deep and 15 inches wide. Work into the soil in the bottom of trench plenty of well rotted manure, fill 8 inches of trench with fine soil and sow the peas, covering one inch deep, (if sown about April 1st, in two rows 10 inches apart and seeds 2 inches apart in rows, if planted later, cover deeper. When well up in soil gradually as they grow until the trenches are full. The object is to get the roots well down so that they may resist drought. Give plenty of water, pick the blooms without stink, and do not allow pods to form as the plants will cease to bloom. Use brush or trellis 5 or 6 feet high. For full instructions how to grow sweet peas successfully send for our "SWEET PEAS AND HOW TO GROW THEM."

Write ten expressly for our customers by a successful grower. This booklet is **SENT FREE** on request to our Sweet Pea customers. To all others 10 cents.

W. H. BARNARD, Polk County, Iowa. "Our Sweet Peas were the envy of the neighborhood; they lasted until the frost took them."

Othello—Beautiful deep glossy chocolate red flowers very large, of hooded form; termed the very best dark Sweet Pea to date.

Oddity—Large flower of peculiar curve; habit pale carmine with a bright rose edge; a great bloomer.

Prima Donna—Beautiful light blush pink; grand flower.

Pink Friar—Very beautiful; spatter work of delicate crimson rose on a white ground; flowers one-third larger than the famous large Gray Friar; a most beautiful shaded variety.

Primrose—Pale primrose; profuse bloomer; superior variety.

Ramona—White splashed and flaked pale pink.

Red Riding Hood—Oddest of all Sweet Peas, very attractive and a remarkable departure in form. The standard is drawn down into a snug hood; in color a pretty bright rose; fragrant; a free bloomer.

Royal Rose—Deep rosy pink, wings lighter; one of the largest.

Salopian—Deep scarlet or cardinal; the best red of fine grandiflora form; stands the hot sun best of all the deep crimson-scarlets.

Senator—Chocolate, striped white.

Shahzada—Deep maroon; wings indigo; a very dark variety.

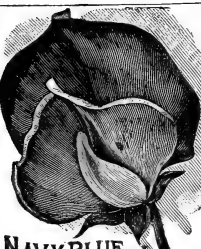
Stanley—Rich dark maroon; quite early.

Stella Morse—Primrose, tinged blush, effect a rich cream variety.

Sadie Burpee—Hardest of all whites; flowers extra large, yet dainty and beautiful in form; color purest pearly white.

Wavon—Beautiful white, distinctly striped with white flowers of large size and fine form, are borne most profusely upon long, heavy stems.





NAVY BLUE

wings pure violet; the whole flower elegantly veined in sharp relief. A vigorous grower. Blooms of approved form, generous size, parchment-like texture, remarkable substance. Stems average 3 flowers. Pkt. 5c.; oz. 10c.; ¼ lb. 30c.; lb. \$1.00.

New "Bush" Sweet Pea

Like the tall sweet peas, neither do they hang on the ground like the Cupids. Bush 16 to 18 inches high. Flowers of the hooded form and in color a beautiful watered purple on white ground. Pkt. 10c.

NEW DOUBLE SWEET PEAS.

Not thoroughly established, as only about 30 per cent of the flowers come double. Worthy a trial, but we make this explanation that patrons may not be misled. **Mixed**—Pkt. 5c.; oz. 10c.; ¼ lb. 25c.; lb. 75c.

Dwarf Cupid Sweet Peas.

These little beauties grow only 6 to 8 inches high, and excite wonder wherever seen; very fragrant; bear full sized flowers of fine substance, 2 to 3 on the stem; profuse bloomers; excellent for beds, borders and pot-culture; flowers early, continue in bloom late. **PINK CUPID**—Standards bright rosy-pink; wings pure white. Pkt., 5c.; oz., 10c.

WHITE CUPID—Pure white. Pkt. 5c.; oz. 10c.

BEAUTY CUPID—Flower standards delicate rose color, with wings of rosy carmine; fine grower; very free bloomer. Pkt., 5c.; oz., 10c.

MIXED CUPIDS—Pkt. 5c.; oz. 10c.; 4 ozs. 30c.

The **NAVY BLUE SWEET PEA**—The only New **True Blue Sweet Pea**. An entirely distinct color (not tint) from any existing variety and of unusually rich beauty. General color effect **dark blue**; standards royal purple; wings pure white. Pkt., 5c.; oz. 10c.; ¼ lb. 30c.; lb. \$1.00.

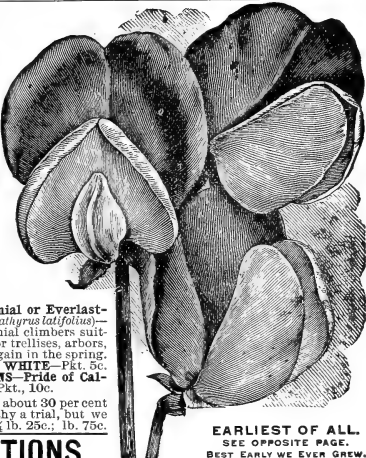
The first of an entirely distinct race. These do not require a trellis

Hardy Sweet Peas.

Perennial or Everlasting (*Lathyrus latifolius*). Perennial climbers suitable for trellises, arbors, etc. They die down and start again in the spring.

Hardy Perennial. 5 to 6 feet high. **WHITE**—Pkt. 5c.

MIXED—Pkt. 5c. **SPLENDENS**—Pride of California—Brilliant rosy-pink. Pkt., 10c.



EARLIEST OF ALL.
SEE OPPOSITE PAGE.
BEST EARLY WE EVER GROW.

SWEET PEA MIXTURES AND COLLECTIONS.

Livingston's Bon-Ton

Six of the Sweetest and Biggest Flowered Sweet Peas in Cultivation

One Packet Each

of the following distinct colors—RED, WHITE, BLUE, GRAY, PINK and VARIETATED, for ONLY

20c

A MIXED PACKET of the 6 kinds for 10 cents, or an ounce for 20c., postpaid.



"Old Glory" Mixture.

Three best up-to-date varieties of RED, WHITE and BLUE Sweet Peas mixed in equal proportions. Pkt., 5c.; oz. 10c.; ¼ lb. 30c.; lb. 75c.

Livingston's Special Mixture. FINEST

LARGE-FLOWERING sorts and novelties. No Mixture surpasses it in size or richness of flower and fragrance. **Large Packet**, 10c.; oz., 15c.; ¼ lb., 30c.; lb. 75c.

Mrs. H. S., Harlem Springs, Ohio.—"The pound of Sweet Peas—Livingston's Special Mixture—gave most excellent results. The quality and quantity of bloom was astonishing. Surpasses, for wide range of color, beauty and size of flowers, any mixture we ever tried, and were the admiration of all who saw them. All unite in pronouncing Livingston's Mixture the finest."

Eckford's "Gilt Edge" Mixture.

Of undoubted superiority. Mr. Eckford is the famous Sweet Pea Specialist of England. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Fine Mixed. All Sorts and Colors.

A fine Mixture for the low price. Pkt., 5c.; oz., 10c.; ¼ lb., 20c.; lb., 45c.

COLLECTION OF 10 VARIETIES, Our Selection, for 30c.

Phlox Drummondii.

The Phlox Drummondii, for splendid mass of colors and a constant display, is not excelled by any other annual or perennial. It has every desirable quality for this purpose. The colors range from purest white to deepest blood-purple or crimson. Seed may be sown in the open ground in May, or in hot-bed or cold-frame earlier, and in either case (from June) during the summer and autumn, they make a most brilliant bed of showy, yet delicate flowers, blooming continually until frost. A good ribbon bed of the Phlox is a most dazzling sight, and there is nothing so cheap. In good rich soil it will grow 18 inches high. Set plants 1 foot apart. Easily transplanted. **PHLOX DRUMMONDII—Many Choice Varieties** **Mixed**—Pkt., 5c.; ¼ oz., 25c.; ½ oz., 25c.; oz., 40c.

LARGE FLOWERING PHLOX (Grandiflora)—A decided improvement on the Drummondii. The flowers are perfectly round, almost double the size, and the colors are most brilliant.

Intense Scarlet.....Pkt., 5c. **Scarlet Striped**—A beauty.....Pkt., 5c.
Blood Red—Darkest of all.....Pkt., 5c. **Carmine**—White eye.....Pkt., 5c.
Crimson—Very bright, effective. Pkt., 5c. **Rosea**—Pink, with white eye Pkt., 5c.
PURE WHITE—Beautiful; fine for cutting; extra large—Pkt., 5c.; ¼ oz., 20c.; ½ oz. 35c.; oz., 60c.

SPLENDENS—Vivid crimson, with a pure white star-center—Pkt., 5c.

Large Flowering (Grandiflora)—OUR SPECIAL MIXTURE—In richest colors. Pkt., 5c.; ¼ oz., 20c.; ½ oz., 35c.; oz., 60c.

Star-Shaped Phlox.

STAR OF QUEDLINBERG (Fringed Phlox)—Flowers have a regular star-like form; plant of dwarf, compact habit and bears large umbels of flowers. As easily grown as common Phlox, and flower just as profusely the entire summer. **Extra Fine Mixed**, comprising many varieties of this odd and beautiful strain. Pkt., 5c.; ¼ oz., 20c.; ½ oz., 35c.; oz., 60c.

New Dwarf Phlox.

This new strain is of dwarf, compact habit, well adapted for pot-culture; also for ribbon beds and massing; 6 to 8 inches high. A desirable market plant.

Finest Mixed Colors.....Pkt., 10c.
Snowball—Excellent. Pkt., 10c. **Fireball**—Extra fine. Pkt., 10c.

Double Phlox.

Of late years several semi-double flowering Phloxes have been introduced, the value of which, as cut flowers, has been recognized by those who have tried them. In order to produce best double flowers they should be grown in a light, sandy soil.

Double White, Scarlet and Yellow—60 to 70 per cent double. Each, pkt., 10c.
Double, Mixed Colors—Pkt., 5c.

ANY SEVEN 5-CENT PACKETS OF PHLOX, 25 CENTS

Hardy Phlox.

Perfectly hardy and need no protection in winter; will flourish in any soil, succeeding better in deep, rich, moist ground. 2 to 3 feet high. Immense heads of waxy flowers; large; beautiful. **Many Shades Mixed**—Pkt., 5c.



PHLOX, LARGE FLOWERING GRANDIFLORA.

Roses

First Year from Seed.

Dwarf Polyantha or "Fairies"—These beautiful little roses are very double (seldom single) borne in many flower clusters and contain all the tints of cultivated roses. Grow only about 1 foot high and commence blooming in a few weeks after the seed is sown, and continue the entire season. Perfectly hardy; bloom year after year in profusion from May until frost. These little beauties are sometimes called **Midget** or **Baby Roses**. 50 seeds 10

Baby Primrose—See *Primula*.

Ricinus

(Castor Oil Plant.)

Stately, strong growing plants with very ornamental foliage, particularly adapted as center plants of groups of *Cannas*, *Caladiums*, *Dahlias*, etc.; also fine for lawns, massing, etc. Annuals of very quick growth.

Zanzibariensis—A new and distinct class which surpass in size and beauty all the varieties hitherto known. Plants attain great dimensions, presenting a splendid aspect with their gigantic leaves. We have grown them with leaves 3 to 4 feet across. Our mixture of four sorts have light and dark green leaves, and some coppery-bronze changing to dark green, with reddish ribs. Oz. 15c 5

Camboensis—New. Large palm-like leaves of bronzy-red maroon. Stalks and stems nearly black. The foliage shows different shades as they grow, and a striking effect is obtained. Oz. 15c 5

Borboniensis—Showy beautiful green foliage; 15 feet. 5

Cabanis—Dwarf, branching, rich red foliage; 5 feet. 5

PHILLIPSII—A grand new variety from Uncle Sam's new islands; foliage large and beautiful; 10 feet. 5

Mixed, many of the very best varieties. Oz. 10c 5

Rhodanthe. One of the best everlasting flowers and a charming annual. For winter bouquets the flowers should be cut before fully expanded, and dried in the shade. 1 foot high. **Mixed**, many choice colors. 5

Sunflower—See *Helianthus*.

Salpiglossis.

(Velvet Pointed Tube Tongue).—Showy bedding or border plants, with richly colored, erect, funnel-shaped flowers. Colors beautifully marbled and penciled, purple, scarlet, crimson, yellow, blue and black. Plant in warm, rich soil; very fine annual.

Grandiflora—New; large-flowering; extra fine. **Mixed** colors. 5

Schizanthus.

(Butterfly Flower). Showy plants; easily cultivated; pretty bright colored flowers, useful for bouquets. Free bloomer. Hardy annual. 2 to 3 feet. **Mixed** 5



SENSITIVE PLANT.

grown in immense quantities by American florists. Foliage and stems a pleasing light green; very graceful; delicate; remains fresh several days after being cut. 5

Sweet Sultan.—See *Centaurea*.



Stocks.

German Ten Weeks Gillyflower.

Stocks have for many years been a general favorite, but of late years the Germans have grown in such perfection that they are considered almost indispensable. Unsurpassed in brilliancy of color and general effect. Fine for bedding, borders, massing or pot culture. For early flowering sow in the house in February or March; plant in open ground in May.

Large-Flowering Dwarf Ten Weeks

Pure white. 10

Double Large-Flowering Dwarf

Magnificent spikes of very large double flowers; all colors. **Mixed**. 5

Dwarf German Ten Weeks—Large-flowering. Fine Mixed. 5

SNOWFLAKE—Dwarf Ten Weeks—

A beautiful variety, one of the earliest; admirably adapted for forcing.

Large, double snow-white flowers. 10

Blood Red—Very fine new double sort. 10

GIANT PERFECTION STOCKS—Produce plants 2½ feet high with long spikes of beautiful double flowers.

Choice Mixed. 10

Emperor or Eruption—These make very bushy and branching plants, with an abundance of large flowers. Sow in July or August. Last several years when protected: 2 feet. **Mixed Colors**. 10

Sweet William.

(Dianthus Barbatus.)

A very beautiful class of easily grown and very hardy plants of extreme richness and diversity of colors; deliciously sweet scented. They have been greatly improved of late years and nothing surpasses this old rugged favorite for clumps or borders. Hardy perennials, about one foot.

Double White. 5

Double Crimson. 5

Fine Mixed Single—All colors. 5

Double Flowering—Mixed; splendid collection. 5

Giant Double—An improvement over the old favorites in size and colors of flowers and trusses; many of the individual flowers over an inch in diameter.

Extra Choice Mixture. 10

Salvia.

Very ornamental plants, flowering in spikes, and continues to bloom in open ground until frost, when the plants can be removed to the greenhouse and will continue to bloom a long time. Plants may be started in a hot-bed and transplanted to light, rich soil, about one foot apart. Tender perennials.

NEW SILVER SPOT—See *Novelty Pages*.

Coccoloba—A new variety; one, two feet. 10

Patens—Brightest and bluest of all flowers; beautiful. 15

Splendens—Scarlet Sage—Gorgeous plants, with spikes of intensely vivid scarlet flowers; the spikes are numerous and 10 to 12 inches in length. Continued to flower profusely all summer and until killed by late frosts. Easy growth and should be in every garden. 10

Bonfire—(Clara Bedman)—One of the finest Salvias ever introduced for bedding. The plants form handsome globular bushes about 2 feet high by 2 feet in diameter. The spikes grow erect and stand clear above the foliage, completely covering the plant and are of the most brilliant, dazzling scarlet. 10

Double Yellow—A very fine golden-snow color. 10

Large Flowering Double—New semi-dwarf, compact and upright, long, stiff stems and large, round, perfect double flowers of remarkable colors. **Splendid Mixture**. 5



SCABIOSA.

Scabiosa.

(Mourning Bride)—A useful and ornamental plant with rich and beautifully colored flowers; effective for beds or borders; excellent for cutting.

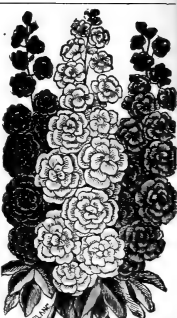
Fiery Red—New, deep, fiery scarlet; very striking; beautiful color. 5

Black Prince—New, very deep, almost black. 5

Snowball—Elegant double white flowers; charming for bouquets. 5

Double Yellow—A very fine golden-snow color. 5

Large Flowering Double—New semi-dwarf, compact and upright, long, stiff stems and large, round, perfect double flowers of remarkable colors. **Splendid Mixture**. 5



LARGE-FLOWERING STOCKS.



SWEET WILLIAMS.

Torenia. Beautiful plants for vases, for hanging baskets, etc.; in open ground flowers are produced in great abundance, the plants being covered with one mass of bloom until frost, and also in winter in the greenhouse.

Fourieria Compacta—Lovely, velvety blue flowers, with three large spots of darkest blue and a bright yellow throat. 10

White Wings—Pure white with rose throat. 10

Bailonia—Deep yellow. 15

The Bride—New; grand. Giant flowers, with pink; beautiful. 20

Thunbergia. Rapid growing annual climber with pretty buff, white and orange flowers of various shades, with a dark center, or eye. Finely adapted for vases; hanging baskets, and for trailing over trellises, etc.; does well indoors or out; profuse bloomer with handsome foliage.

Fine Mixed— $\frac{1}{2}$ oz., 30c.; oz., 50c. 5

Verbena.

No plant is more generally cultivated than the verbena, and no plant excels it for masses in beds on the lawn.

Flowers perfectly well from seeds sown in spring (if sown in May will bloom in August). If started in the house in pots or shallow boxes in winter they will bloom sooner. Transplant as soon as plants are two inches high, two feet apart each way. Seedlings are stronger and more vigorous than plants from cuttings, and are usually fragrant, especially light colors.

Defiance True—Brightest and richest of all scarlet verbenas. 10

Blue Varieties—Showy and distinct. 10

Striped Varieties—Beautiful. 5

Pure White—Large trusses of pure white flowers. 10

Niveni—(Odorata)—White, sweet scented. 5

Cloth of Gold—With clear golden-yellow foliage its deep crimson flowers form a striking contrast. 10

Lemon Verbena—(Citrodora)—Sweet lemon-scented foliage. 10

New Mammoth—Large flowered—A superb and distinct class with flowers of immense size. 10

NEW MAYFLOWER—This great Flower Seed Novelty was raised and named by Luther Burbank, California's noted horticulturist. The shape of its leaves, its color and fragrance are almost identical with the wide-famed and cherished Trailing Arbutus of New England "Mayflower." Flowers white, touched with delicate pink, and possess a rich and powerful fragrance. 10

ROYAL SPLENDOR MIXTURE—The most brilliant and distinctly marked of all Verbenas. Unsurpassed in size, and the range in dazzling brilliancy of colors is indeed wonderful. Royal Splendor Mixture stands without a peer for its great variety of beautiful shades. Many years were spent in bringing it up to its present high state of perfection, and a trial will prove that too much could hardly be claimed for it. 2 pkts. for 25c. 15

Hybrida—Choice mixed—Saved from the most beautiful named flowers, gives a great satisfaction. $\frac{1}{2}$ oz., 40c.; oz., \$1.25. 10

Fine mixed— $\frac{1}{2}$ oz., 25c.; $\frac{1}{2}$ oz., 45c.; oz., 75c. 5

NEW DWARF VERBENAS—Of erect, dwarf and compact habit, forming a nest bush about five inches high and 18 inches across. Colors are white, scarlet and violet. White or Scarlet. 10

Extra Mixed. 10

Vinca. (Periwinkle)—Free-flowering bushy plants, with glossy green foliage and beautiful circular flowers; in a warm, sunny situation they bloom all summer; they make beautiful winter-blooming pot plants if potted before frost; tender perennial, but flowers the first season; two feet.

Alba—Pure white. 5c. **Rosa**—Bright rose; very fine. 5

Rosa Alba—White with rose eye. 5

Mixed Varieties—All colors. 5

Viscaria. Handsome, showy annuals when massed. Its large, round flowers are white, red, blue, pink, margined with various colors; 1 foot high. All Colors Mixed. 5

Ida B., Goodyear, Pa.—Your flower seeds have always pleased me. Am sure of nice flowers every time I sow them.

Violet.

(*Violeta odorata*)—The violet should not be wanting in any garden, on account of its fragrance and early appearance. A single flower will perfume a whole room. Succeeds best in a shady, sheltered place and can be easily increased by dividing the roots. Extensively used by florists for cut flowers. Hardy perennial. Six inches.

Double Violets do not seed. Plants offered in Plant Dept.

Blue Sweet Violet—The old sort. 10

The Czar—The largest flowering and richest colored deep blue sweet violet in cultivation. 10

Single Mixed—Blue and white. 10



VIOLETS.

Valeriana. (Hardy Garden Heliotrope)—Showy border in garden soil; does well in the shade; produces large crops of flowers; hardy perennial that blooms first season from seed. Fine for bouquets. Mixed—Bright rose, red and white flowers. 5

Whitlavia. The Whitlavia is a good plant for baskets, vases or pots. A pretty plant with delicate, handsome foliage, producing a constant succession of bright blue, pure white and violet, large, bell-shaped flowers in drooping cluster. Sow seed in open border early in the spring. Hardy annual, one foot high. Fine Mixed. 5

Wallflower. Well known deliciously fragrant garden plant, blooming early in the spring, with large, conspicuous spikes of beautiful flowers; they should be protected in a cold frame in winter and planted out in May. Much prized for bouquets. Half-hardy perennials. Flowers first season from seed. Single Early Large Flowering. 5

Finest Double Large Flowering—Mixed—All colors. 10

Xeranthemum. (Everlasting Flowers)—Very desirable for flowering and of the easiest cultivation. The leaves are covered with silvery down, and the flowers are pure white, deep purple and yellow; an easy grown hardy annual. Two feet. Double Mixed—All Colors. 5

Zinnias.

One of the most brilliant annuals; a general favorite, its splendid double flowers rivaling in beauty, size and form, moderate sized dahlias.

Striped or Zebra—A very pretty strain, with striped flowers. Colors vary on each plant; presents a curious and beautiful appearance. 5

Curled and Crested—A new strain, with large double flowers of perfect form; the petals are twisted, curled and crested into the most fantastic and graceful forms. A magnificent variety of colors and lovely shades. 10

Double Snowball—Double, pure white, dwarf and compact. 5

Dwarf Fireball—Double fiery scarlet. 5

Golden Yellow—Flowers large, perfect in shape, clear golden yellow. 5

Giant Flowering—Grows a handsome bush 3 feet in height, and the mammoth, perfectly formed double flowers measure 5 to 6 inches across and are of intense and brilliant colors. Mixed. 5

Queen Victoria—A new giant white variety, of vigorous growth, with very double pure white flowers, 4 inches in diameter. 10

Double Haageana—Of decided merit; close and vigorous in habit, nearly covered with pretty golden-yellow double flowers; fine, indeed for cutting. 5

Double Lilliput—Bush covered with flowers of fine form, borne on long stiff stems; valuable for bouquets. 5

Double Dwarf, Mixed—Compact bushes, not over 12 inches high. 5

Double Pompon—Charming, long and very double flowers; mixed. 5

Double Large Flowering—Mixture of many colors; fine strain; cone-shape. $\frac{1}{2}$ oz., 30c.; oz., 50c. 5

Mexican Hybrid Zinnias—New, very pretty; bound to please. 10



DOUBLE LILLIPUT ZINNIAS.



LARGE DOUBLE ZINNIAS.

Ornamental Grasses.

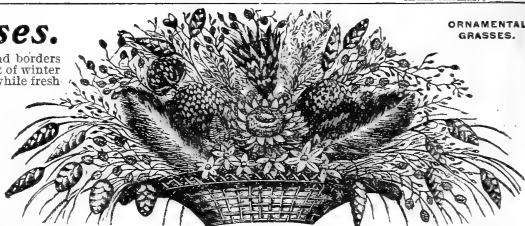
Very beautiful and attractive for mixed flower beds and borders during summer, and extensively used in the arrangement of winter bouquets and in other house decorations. Should be cut while fresh and green and hang in a dry and airy place in the shade. Easily grown in any soil.

PURPLE FOUNTAIN GRASS (*Pennisetum*)—Has very beautiful and graceful spikes of purple; a very fine decorative plant.—Packet, 5c.

ZEAL (*Japan Maize*) **Quadricolor**—Leaves beautifully striped silvery white, rose and green; very fine. Pkt. 3c.

BEST MIXTURE, many Dwarf and Half-Dwarf Annual Sorts. Large packet, 10c.; half packet, 5c.

BEST MIXTURE, many Tall Annual Sorts. Large packet, 10c.; half packet, 5c.



ORNAMENTAL GRASSES.

SPECIAL MIXTURES OF FLOWER SEEDS

Much pleasure is derived from watching the growth of a mixed bed of flowers. The mixtures are made from choice fresh seeds, and cannot fail to give satisfaction. The packages are liberal in size, and in no other way can so many seeds be obtained for so little money.

FRAGRANT ANNUALS. A mixture made from seeds of fragrant flowers, giving rich perfume throughout the day and evening. Some are suitable for cutting. Packet, 10c.

MIXTURE OF CLIMBERS. A packet of seeds containing over twenty beautiful annual climbers, for covering outhouses, trellises, stumps, etc. Packet, 10c.

FLOWERS FOR BOUQUETS. This mixture contains seeds producing flowers suitable for cutting for vases and bouquets, nearly all having long stems, and will furnish a constant supply of cut-flowers the entire season. Packet, 10c.

MIXED EVERLASTINGS. A great variety of beautiful and attractive Everlastings. Packet, 10c.

ANY THREE MIXTURE PACKETS FOR 25 CENTS.

Livingston's 25-cent Bargains in Flower Seeds

FOR ONLY 25 CENTS WE SEND, POSTPAID, ANY ONE OF THE FOLLOWING COLLECTIONS.

For 50c. You can select two Collections, and, in addition, one packet of each of the **New Sweet Pea—Navy Blue**, or the **Daybreak Aster**.

For 75c. We will send **THREE** Collections and one packet each of the **New Sweet Pea—Navy Blue**, and the **Daybreak Aster**.

OUR 25c. BARGAIN COLLECTION OF SELECT FLOWER SEEDS.

ASTER, New Large German Globe—White, with blood-red center; a splendid large, globe-shaped flower; a beauty.

CENTAUREA—Improved—Bachelor's Button, with large sweet-scented flowers; excellent for cut-flowers; very lasting.

GAILLARDIA, *Grandiflora*—Splendid mixed; remarkable for size and brilliancy of flowers.

MIGNONETTE, *Bismarck*—Its sweet-scented flowers are very large, reddish colored, with beautiful dark green crumpled foliage.

MORNING GLORIES, New Japanese—No end to variety of colors, from snow-white to all shades of blue, red, palest pink, darkest reds and purples; mottled, striped and beautifully bordered.

NASTURTIUM, *Lilliput*—Mixed. A grand new dwarf class; flowers of many colors.

PANSIES, Sweet-Scented—Has the perfume of sweet violets; flowers of many colors.

SWEET PEAS, *Dwarf Cupids*—Mixed color—makes a dwarf, compact plant; grow only 6 to 10 inches.

SUNFLOWER—Mixed; new types; remarkable for beauty; not like the ordinary.

OUR 25c. COLLECTION OF NASTURTIUMS.

VESUVIUS—Tall, brilliant, fiery red.

MADAM GUNTHER'S HYBRIDS—Unequaled for richness and variety of colors; good climbers, free and constant bloomers.

LOBB'S CLIMBING—Mixed. Superior for brilliancy and profusion of bloom; unexcelled as a summer climber; also good for indoor decoration in winter.

NEW DWARF CHAMELEON—Produces Many different colored flowers on the same plant. The neat, compact bushes are covered with beautiful flowers; fine for edging and general garden decoration.

CLOTH OF GOLD—Dwarf; beautiful golden foliage and deep scarlet flowers.

KING THEODORE—Tall, deep crimson flowers; dark foliage; very striking.

LIVINGSTON'S 25c. COLLECTION OF SWEET PEAS.

NEW DWARF TOM THUMB—Mixed; many rich and beautiful colors; no annual more popular for bedding or massing.

AURORA—A grand flower with expanded standards; beautiful flaked orange-salmon.

GRAY FRIAR—Beautiful watered purple on white ground; good grower, with long, strong flower stems.

MAID OF HONOR—White, beautifully edged with lavender.

PRIMA DONNA—A most lovely shade of soft pink.

CAPTAIN OF THE BLUES—An extra fine blue.

BRILLIANT—The new attractive, bright scarlet.

ROYAL ROSE—Has extra large flowers of deep rosy-pink.

LIVINGSTON'S 50c. BARGAIN COLLECTION OF FLOWER SEEDS

Consists of one full-sized packet each of the following most effective annuals sent free by mail on receipt of 50 cents. At regular prices it would cost \$1.05.

ASTERS, Double Perfection, Mixed—Perfect type; flowers very large, rich, brilliant.

BACHELOR'S BUTTONS—A Choice Mixture of best colors and kinds.

BALSAMS, Double Camelia Flowered, mixed—A splendid mixture of best known sorts.

CANNAS, New French Hybrids, mixed. Remarkable for beauty of flowers and foliage.

DIANTHUS, Mixed Colors. Beautiful double flowers; many shades and markings.

GAILLARDIAS, Mixed. One of the best annuals for cut-flowers.

LARKSPUR, Tall Flowered Branching—Long spikes, double, brightest, best colored flowers

A Great Offer

MORNING GLORIES. A Splendid Mixture of these lovely climbers.

MIGNONETTE, Golden Machet. Golden yellow flowers, deliciously fragrant, large spikes.

NASTURTIUM, Lobbs Climbing. Beautiful and luxuriant climber of easy culture.

PETUNIA, Mottled and Striped. Mixed with other superb kinds, including large flowering.

PHLOX DRUMMONDII, Large Flowering. A rich and brilliant variety of colors, not expel for massing or constant display.

Varieties and mixtures are choice, including best colors and many new and rare kinds; a continuous succession of flowers from early summer until frost.

PANSY, Large Flowering. A very fine mixture of many choice kinds and colors.

POPPIES, Livingston's Mixture of many excellent kinds and colors. Sure to please.

SWEET PEAS, Eckford's Gilt Edge Mixture. A very superior and deservedly popular mixture.

VERBENA, Hybrid, Choice Mixed. Showy, distinct and beautiful. Many colors.

ZINNIA, Double, Large Flowering. Mixture of many colored and fine cone-shaped flowers.

WILD FLOWER GARDEN or Childrens' Garden.

Full of Daily Surprises, and one who has Never
Seen such a Garden cannot Form any
Idea of its Possibilities.

Each packet contains a great variety of pretty flowers of
easy growth. The mixture will be found to be both inter-
esting and useful. Interesting because new flowers open
daily—you know not what a day may bring forth. It
will be found very useful, for here you may get your bou-
quets without fear or favor, whenever you choose, and
thereby save those in beds and borders; also especially
adapted for producing a display on large borders, or sow-
ing along woodland walks, for hiding an unsightly fence,
stump, etc., and will convert any dreary spot into a wil-
derness of bloom and fragrance.

Nothing in the way of flowers, delights children more
than this Wild Garden, chiefly because they can be allowed
to pick their own bouquets without stint. Keep out
the weeds and the plants will do the rest.



Bouquet from "Wild Garden."



Apronful from "Childrens' Garden."

OUR EXTRA CHOICE MIXTURE

contains many kinds and colors of splendid easily
grown flowers, and has become very popular.

Large Pkt., 10c.; oz., 25c., 1 lb., 75c.

OUR SPECIAL 50c. BARGAINS IN PLANTS

ONLY FIFTY CENTS

Will buy any one of the Collections named below delivered safely by mail,
postpaid, to any address. The Collections are all fine, strong plants of the
best varieties, and are marvels of cheapness. We can only afford to sell
them so cheap by growing these sorts in immense numbers. The choice of varieties must invariably be left to us.
the purchaser simply naming the Number of the Set or sets desired. Every plant is plainly labeled, and there are
no two varieties alike in the same Collection.

NOTE.—Sometimes when seeds and plants are ordered together, we send the seeds at once and the plants follow
later from the greenhouse.

NUMBER

- 1-12 Beautiful Ever-Blooming Roses, all
colors and splendid varieties.
- 2-2 Charming Tea Roses, 2 fine Hardy Roses,
2 Climbing Roses. This makes an elegant
collection for 50 cents.
- 3-3 Lovely Tea Roses, 3 fine Hardy Roses, 2
different Climbing Hardy Roses, 2
pretty Japan Fairy Roses.
- 4-5 Superb Hardy Roses, 5 fine Hardy
Climbing Roses. This will make a fine
outdoor garden.
- 5-10 Lovely Pure White Roses. Tea and
Ever-blooming. Fine cemetery plants.
- 6-10 Choice Double and Single Geraniums.
Will make a very nice bed.
- 7-4 Double, 4 Single and 2 Sweet-Scented
Geraniums. Fine for a small garden.

NUMBER

- 8-3 Double Geraniums, 3 Single Gerani-
ums, 3 Fragrant Geraniums, and 1 Ivy
Geranium.
- 9-2 Silver-leaved Geraniums, 2 Double, 2
Single, 2 Fragrant, 2 Ivy Geraniums.
- 10-12 Chrysanthemums of the new large
flowering kinds, all different and label-
ed correctly.
- 11-10 Choice Carnation Pinks—large, double
and sweet-scented.
- 12-5 Splendid varieties of Carnations, and 5
nice Sweet May or Scotch Pinks.
- 13-10 Lovely Flowering Begonias. A choice
collection of beautiful house plants.
- 14-13 Coleus. The best and most distinct
varieties of the newer kinds.

NUMBER

- 15-10 Fuchsias, double and single, specially
selected for window decoration.
- 16-10 Foliage Plants, viz: 4 Coleus, 4 Achy-
ranthus, 2 Adianta.
- 17-3 Heliotropes, 3 Feverfew, 3 Hibiscus, 1
Asparagus Tenuissimus.
- 18-2 Hibiscus, 2 Moor Vines, 2 Violets, 2
Coleus, 2 Heliotropes.
- 19-1 Hardy Rose, 1 Tea Rose, 1 Double and
1 Single Geranium, 1 Sweet-Scented
Geranium, 1 Hibiscus, 1 Heliotrope, 1
Feverfew, 1 Begonia, 1 Carnation.
- 20-2 Tea Roses, 2 Heliotropes, 2 Violets, 2
Sweet-Scented Geraniums, 2 Carnations.
Our famous Sweet-Scented Collection.

PLEASE ORDER BY
NUMBER ONLY.

There is no Dividing
or Changing in any of
these Collections

FIVE UNNAMED 50-CENT COLLECTIONS BY MAIL, POSTPAID.

- 21-13 Lovely Tea Roses. They are all different.
- 22-6 Fine Hardy Roses and 6 Splendid Hardy Climbing Roses.
- 23-6 Double Geraniums and 6 Single Geraniums—no two alike.

- 24-15 Beautiful Chrysanthemums, which will be a surprise to you in
their strange forms and lovely colors.
- 25-12 Choice Carnation Pinks. All colors.

BARGAIN SETS AND COLLECTIONS

THE GEM ROSE COLLECTION

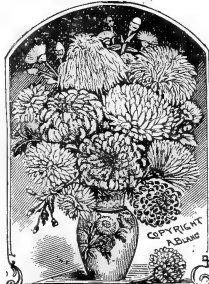
20 ROSES A LARGE BED OF EVER-
BLOOMING ROSES, Postpaid, \$1.00

For \$1.00 we will send by mail, postpaid, to any
post-office the GEM COLLECTION, comprising 20
Beautiful Ever-Blooming Roses, in 20 different var-
ieties; each labeled and carefully selected to suit
your locality. If you want beautiful Rose Buds all
summer, plant this set. If there is no room in the
front yard, plant in the garden, which is a capital
place to grow roses for flowers. In ordering say
"The Gem Rose Collection."

OUR CHARMING FUCHSIA COLLECTION.

20 ELEGANT DOUBLE AND SINGLE
FUCHSIAS, Postpaid for \$1.00

This charming set of house plants is well worthy
a trial. Nothing will add so much to your window
decorations as a fine variety of Double and Single
Fuchsias. Give it a trial.



THE PRIZE CHRYSANTHEMUM SET.

20 PRIZE WINNERS \$1.00
SENT POSTPAID, FOR ONLY

This collection includes the most desirable var-
ieties that brought prizes at the different shows in
November, and goes over the entire range of color,
form and size. If you desire to be up to date in
Chrysanthemums, try this collection.

THE CHAMPION GERANIUM SET.

20 BEAUTIFUL
SELECTED Geraniums POSTPAID FOR \$1.00

Remember this is not a set of Geraniums picked
up from any surplus we may happen have, but
contains the choicest varieties—both double and
single, in every shade of this useful flower—and
you cannot fail to be pleased with it.

DEPARTMENT OF

Spring Bulbs, Plants, Roots,

HARDY SHRUBS AND CLIMBERS.

At the prices here given we send by Mail, except where otherwise noted, and unless specially ordered otherwise. When Bulbs, Roots or Plants are sent by express, at purchaser's expense, we can usually send larger stock than if sent by mail, and more safely packed. When Seeds and Bulbs or Plants are ordered together, the Seeds, Bulbs, etc., not injured by frost will be sent at once, and the tender ones as soon as possible without danger of injury from cold weather. Those in want of Larger Quantities than here quoted, will please write, stating kinds and quantity wanted, and we will cheerfully make Special Prices.

Amaryllis.

Beautiful lily-shaped flowers, fine for pots, and should be in every window. No bulb is easier to manage; pot them when received and they will soon begin to grow and bloom.



JOHNSONII—Bears 3 to 6 large brilliant red flowers with white stripes in the center of each petal; fragrant. Each, 35c.; 3 for \$1.00.

ATAMASCO—A fine bedding sort; free bloomer; fresh-colored flowers. Each, 5c.; doz., 30c.

FORMOSISSIMA (Jacobean Lily)—Crimson velvet color; flowering early. Each, 15c.

VITTATA—Red and white striped; a beauty. Each 50c.

JACOBAN LILY.

Apios Tuberosa

A hardy climber. (Also called *Tuberous-rooted Wistaria*, as it greatly resembles that well-known vine.) Blooms most profusely, bearing lovely clusters of rich, deep purple flowers, possessing a delicious violet fragrance. Perfectly hardy. Bulbs, each, 5c.; 5 for 20c.; doz., 40c.

Akebia Quinata. One of the best Bears throughout the season numberless clusters of fragrant violet-brown flowers, with a pleasant cinnamon odor; blooms early in spring, continuing several weeks. In good soil will grow 20 to 40 feet high, according to location. Plants, 15c. each; 4 for 50c.

Cyperus Alternifolius.

UMBRELLA PLANT.

A plant of the very easiest culture, and will thrive in any soil if kept well watered. They thrive best, however, in damp soil or in a partially shaded place, like the north side of a fence, etc. It will grow in a bowl, dish or vase partly filled with soil and water. From the center of the umbrella-like and palm-like leaves appear small flowers, followed by young plants. A very satisfactory plant, indeed. Plants, each, 15c.; 5 for 50c. Larger Plants, 25c.; 5 for \$1.00.

Ampelopsis.

BOSTON IVY.

VEITCHII—The Popular Boston or Japan Ivy. The finest climber we know of for training over brick walls, as it clings firmly to the smoothest surface, covering it smoothly and densely with fresh, green heart-shaped leaves in summer, which take on, in the fall, the deep bright autumn colors. It likes a rich soil; quite hardy, but requires a slight protection in winter in our climate. Strong Plants, 15c.; 2 for 25c. Extra Strong Plants, 25c.; 3 for 60c.

QUINQUEFOLIA—(Old Virginia Creeper, "American Woodbine"). A hardy climber of rapid growth,



UMBRELLA PLANT.

Achillea.

Pure White, "THE PEARL." The Great Cemetery Plant. A plant will produce hundreds of flowers the first summer, but when established the second year, frequently have more than five hundred perfect flowers on the plant at one time. It commences to bloom early in July, and is a perfect mass of beautiful flowers until frost. Flowers pure white, perfectly double, and produced in large sprays, making it for cemetery planting, as it is sure to thrive and bear its great profusion of snow-white flowers nearly the whole summer. A hardy perennial. Succeeds everywhere. Plants, each, 10c.; 3 for 25c.; doz., 75c.

Bignonia Radicans. Trumpet Flower.—A rapid growing climber with long dark red trumpet-shaped flowers, with orange throat; very hardy. Each, 15c.; 3 for 40c.

Abutilon.

FLOWERING MAPLE.

Each, 10c.; doz., \$1.00, except as noted.

SAVITZII—A new Japan maple-leaved variety; plant dwarf and compact; foliage large, clearly defined, with deep border on leaf; distinct and valuable plant. Each, 15c.

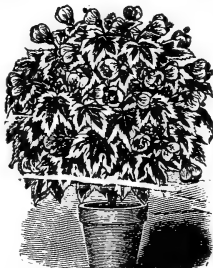
SOUV. DE BONN—Similar to the above, but a stronger grower and narrower white edge on leaves.

GOLDEN FLEECE—A fine, pure bright yellow; free bloomer.

ECLIPSE—Has golden spotted leaves, flowers bright yellow, crimson throat; suitable for baskets and vases.

SPLENDENS—Dwarf; deep red flowers.

TEOMPSONI—Double, Orange flowers, spotted leaves; distinct.



ABUTILON SAVITZII.

Begonias.

Tuberous-rooted. The extra large size and beautiful colors recommend this flower to all. They are easily grown and cared for. For growing in pots or boxes in the house, plant in rich, sandy soil; give good drainage, water freely after the leaves start, but do not let the soil become sour or logged from overwatering. If it is desired to have a bed outdoors, select a shady, moist situation, making the bed rich with thoroughly rotted manure and leaf mold, if obtainable. Plant as soon as danger from frost is over. After the plants start into vigorous growth keep well watered. If planted in a proper situation no plant will give a more magnificent display throughout the summer. The single varieties are most satisfactory for general purpose.

SINGLE VARIETIES—Large, well ripened tubers. White, Pink, Yellow and Crimson—Each, 10c.; 4 for 30c.; doz., 80c.

SINGLE, MIXED—Many varieties. Each, 10c.; 4 for 25c.; doz., 75c.

DOUBLE VARIETIES—Finest mixture; many varieties. Each, 15c.; 4 for 50c.; doz., \$1.50.

Aristolochia Sipho.

Dutchman's Pipe Vine. A magnificent perfectly hardy vine of rapid growth with very large heart-shaped leaves and brownish flowers, resembling in shape a miniature pipe; splendid for archways or verandas. The leaves retain their light green color from early spring to late fall. Each, 30c.; 4 for \$1.00. Extra Strong Plants, 50c. each; 3 for \$1.25.



ACHILLEA, THE WHITE PEARL.

Clematis.

THE JUSTLY PROUD QUEEN OF ALL HARDY CLIMBERS, with its large beautiful flowers of many colors, produced in great profusion the entire season, is admired by everyone, the world over. It is a rapid grower, and delights in a heavy rich soil and a sunny position. Dig the soil deep and plant so that the crown of the roots will be 3 inches below the surface of the soil, water freely, especially in dry times; give plants a good top dressing of well rotted manure late in the fall, and in spring spade well and carefully into the soil and you will be well repaid. The varieties we offer are those best adapted to our climate.



JACKMANII.

GISSY QUEEN—One of the finest rich purple varieties; a very strong grower; free bloomer.

RAMONA—A strong, rampant grower; very hardy; free and perpetual bloomer; flowers very large; color, beautiful lavender.

DUCHESS OF EDINBURG—Best and freest flowering double white; deliciously scented.

VITICELLA KERMISINUS—A splendid variety; profuse bloomer; flowers of medium size, bright wine color; a strong grower.

SMALL FLOWERED AND FRAGRANT CLEMATIS.

Price of each variety, 20c. each; 3 for 50c.

CRISPA—Deep blue with white border; fragrant bell-shaped flowers.

COCCINEA—Cone-shaped flowers; bright coral-red; blooms from June until frost; rapid grower; very free bloomer.

FLAMMULA—“*Virgin's Bower*” (American White)—A very rapid growing and hardy plant; its small white fragrant flowers are borne in clusters nearly hiding its small bright green foliage.

CLEMATIS PANICULATA. New Sweet-Scented Japan Clematis—One of the finest additions to our list of hardy climbers. Of very rapid growth, quickly covering trellises and arbors with handsome, clear, glossy green foliage. Flowers of medium size, pure white, borne in immense sheets; of a most delicious and penetrating fragrance. Flowers appear in late summer at a season when few other vines are in bloom.

PRICE OF THE FOLLOWING CLEMATIS—1st Size, 60c. each; any 3 for \$1.50; any 6 for \$2.75. 2d Size, 40c. each; any 2 for 75c.; any 6 for \$2.00.

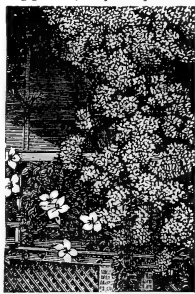
M. KOSTER. New—A beautiful variety of rich rosy carmine; a strong free grower; remarkably free flowering. We have seen, under ordinary cultivation, two-year old plants 6 to 8 feet high with hundreds of flowers open.

JACKMANII. Flowers dark, rich royal-purple; very free bloomer; the best known and most popular.

JACKMANII ALBA. Fine large pure white flowers.

HENRYII. Best Single Flowered White. Robust habit; a fine bloomer; large finely formed flowers of a beautiful pure white. Very hardy.

SEIBOLDII—Extra large; a beautiful lavender; a stronger grower; very hardy.



CLEMATIS PANICULATA.



CALADIUM BULB.

Caladium

“Elephant Ears.” This splendid foliage plant is worthy of general cultivation, filling a place where no other plant does, adding greatly to the lawn or garden by its immense, tropical like foliage. Plants attain a height of from 4 to 6 feet, the leaves being veined with different shades of green; when massed alone or with Cannas they produce a most striking and beautiful effect. They are of easy culture, and will grow in almost any garden soil, but if especially large plants are wanted they should be planted in a well enriched soil and given water in abundance throughout the season. The bulbs may be kept over winter by taking up in the fall when frost kills the foliage; leave some soil on the roots, dry gradually in a dry, airy, shady place for several days, then pack in a shallow box in dry sand or soil and store in a dry, warm cellar.

First Size Bulbs—1½ to 2½ in. in diameter, 15c. each; 3 for 40c.; doz., \$1.40. **Second Size**—2½ to 3 ins. in diameter, 20c. each; 3 for 50c.; doz., \$1.75. **Third Size**—3 to 4 ins. in diameter, 30c. each; 3 for 85c.; doz., \$2.50. **Extra Large Mammoth Bulbs**—4 ins. and over, 50c. each; doz., \$5.00. Prices of above are by mail, postpaid. **By Express** (not paid). **First Size**—Doz., \$1.00; 100 for \$5.00. **Second Size**—Doz., \$1.20; 100 for \$7.50. **Third Size**—Doz., \$2.50; 100 for \$14.50. **Extra Large Mammoth Bulbs**—Doz., \$4.50; 25 for \$8.50.

John Mock, 1247 South High St., Columbus, Ohio, had a Caladium leaf measuring 10 ft. and 10 ½ ins. in circumference.

Wm. McCann, this city, reports a leaf 49 inches long.

I. Seibert, Neil and 10th Aves., had a leaf over 4 feet long.

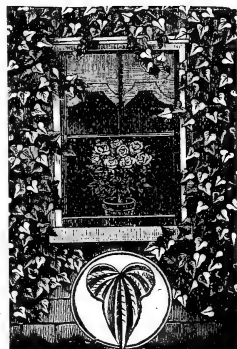
Cinnamon Vine.

This beautiful and rapid climber possesses the rare quality of emitting from its lovely white flowers the delightful odor of cinnamon. They are perfectly hardy, dying down every autumn but growing again in the spring so rapidly as to cover a trellis or arbor very early in the season. Vines run 25 feet or more, and when trained over and about a door or window make an ornament much admired. It is easy to cultivate, has no insect enemies, and is not affected by drought, because its roots so deeply. The tubers are called “Chinese Yams”; they increase in size from year to year, and are often 2 feet long at two or three years of age. We have grown this vine for many years, and sent out thousands to every section of the country, and the verdict is—“One of the most desirable climbers in cultivation.”

ROOTS—postpaid—Each, 10c.; 2 for 15c.; 5 for 25c.; 15 for 50c.; 40 for \$1.00; 100 for \$2.00.



CALADIUM PLANT.



CINNAMON VINE.



QUEEN CHARLOTTE CANNA.

Cannas

The Canna is one of the most beautiful of all bedding plants.

It has long been a great favorite, but since the introduction of many new varieties their value has been greatly increased by adding to the already attractive foliage, large flowers of the most brilliant colors, so that they are now indispensable. No other plant is better adapted to our climate, and nothing costing so little, excels them for masses and beautiful foliage, as well as the abundance of dazzling bloom in many shades. Many of the following dwarf varieties, after blooming all summer, are suitable for winter blooming, if potted before frost. Plant outdoors about the middle of May, if weather is warm, and if weather is not so warm, start them in pots, started, then they should have an abundance. Below will be found a SELECT LIST of the best and most distinct old and new varieties. We supply Roots up to about April 1st., and PLANTS after roots are gone.

NEW AND RARE CANNAS.

ALSACE. The nearest approach to a white Canna, pale sulphur yellow, changing to creamy white, dwarf, compact growth, profuse bloomer. 4 feet.

BUTTERCUP. Real bright buttercup yellow, large handsomely formed flowers in fine trusses, always clean and bright. It sheds the old flowers, thus leaving the trusses always fresh.

CINNABAR. Cinnabar red, edged with distinct golden band; fine round flowers of great substance, well above the foliage in large trusses, an early and free bloomer. 4½ feet.

DUKE OF MARLBOROUGH. Undoubtedly the darkest and richest colored Canna to date. Velvet maroon. Finely shaped flowers in large trusses. A handsome, vigorous grower and quick, constant bloomer. 4 feet.

J. D. EISELE. A fine vermilion-scarlet, overlaid with orange, flowers of large size, with broad petals; erect heavy truss, well above the green foliage. One of the best of its color. 3½ feet.

TURKEY RED. A fine vermilion-scarlet, overlaid with orange, flowers of large size, with broad petals; erect heavy truss, well above the green foliage. One of the best of its color. 3½ feet.

Price of above, except where noted. Each, 15c., 3 for 35c.; doz., \$1.10. The set of six New and Rare Cannas, 60c.

NEW GIANT ORCHID FLOWERED CANNAS.

AMERICA.—The first "Giant" flowering dark-leaved Canna. Foliage a bronze color with dark red hues and shining as if varnished. Flowers enormous, glowing purplish red, flamed and striped. 4 feet.

AUSTRIA.—Pure canary yellow; fine large flowers, reddish-brown dots in center of inside petals. 5 to 6 feet.

ALLEMANIA.—Enormous flowers. Outer petals scarlet with broad yellow border, inside of bloom scarlet and dark red. Foliage dark green. 4 to 6 feet.

BURBAN.—Flowers 6 to 7 inches across, mostly semi-double. Beautiful rich canary yellow. Throat finely spotted crimson. Strong and handsome. 5 to 6 feet.

ITALIA.—Immense flowers of true orchid form. Center brilliantly red. Petals widely bordered with deep yellow. Very handsome and showy. 4 to 5 feet.

PARTENOPE.—Green foliage. Color bright reddish salmon. Very showy and distinct. Early. Free flowering. 5 to 6 feet.

Price of above, each, 15c.; 3 for 35c.; doz., \$1.20. The Orchid set of 6 for 60c., Postpaid.

YELLOW, ORANGE AND SALMON SHADES.

BURLINGTON.—Green foliage. Flowers large, rounding; a clear orange color, with a bronze luster. Strong grower, early to flower; cleans itself of all decayed flowers. 5 feet.

FLORENCE VAUGHAN.—Petals remarkably wide, rounded on the ends, of good substance; very large yellow flowers, thickly dotted with bright red. Foliage green, splendid broad leaves. 2 to 3 feet.

PAUL MARQUANT.—Green foliage, strong flower spikes; extra large flower of a deep salmon color, smoothly shaded orange. 4 feet.

Price of above, each 10c.; doz., \$1.00.

RED, DARK OR BRONZE-LEAF VARIETIES.

BRENZE BEAUTY.—Bronze-leaf, green stalk, strong grower; color deep vermilion-orange. 5 feet. Each, 15c.; 3 for 40c.; 7 for 75c.

LEONARD VAUGHAN.—Has a deep, rich scarlet flowers; best dark leaved, flowering kind to date. Large, bright scarlet flowers. 5 to 6 feet. Each, 15c.; 3 for 40c.; 7 for 75c.

ROBUSTA.—Well known and one of the most effective of all dark-leaved varieties, although not a large flowering sort, it is valued on account of its luxuriant foliage, making it desirable in sub-tropical gardening, where rich foliage effects are wanted. It is a strong, vigorous grower, its immense dark bronze leaves are 12 to 18 inches wide and 30 to 36 inches long. We have a fine lot of roots. 6 to 8 feet.

GOOD ROOTS of Robusta, each 10c.; 6 for 50c.; doz., 90c.; postpaid.

STRONGER ROOTS, by express at buyer's expense, 10 for 75c.; 25 for \$1.50; 50 for \$2.50; 100 for \$4.75.

Livingston's Dazzle 6 Canna Set.

A VERY POPULAR SET.

Six of the very best, richest colors, largest flowering French types, all different sorts, selected for their bright and Dazzling colors. Of easy growth. Hard to beat anywhere. Bound to please everywhere. Try a set. Postpaid, **ONLY 60 CENTS.** 2 sets for \$1.00.

CANNA COLLECTIONS FOR BEDS.

For the convenience of those who are not sufficiently acquainted with the best varieties adapted to bedding purposes, we will make up collections such as, in our opinion, will give best of satisfaction, at following prices: 20 Cannas, our choice, for bed 5 ft. in diameter, \$1.50. 30 Cannas, for bed 7 ft. diameter, \$2.00. 50 Cannas, for bed 10 ft. diameter, \$3.25. Freight or Express to be paid by purchaser.

CRIMSON AND SCARLET SHADES.

ALPHEONSE BOUTIER.—The standard crimson; large, bright. 6 feet.

BEAUTE POITEVINE.—The ideal bedding Canna, always in good condition in all kinds of weather. Bright, rich crimson. 3 feet.

CHAS. HENDERSON.—One of the best—in fact, the standard of all crimson varieties. Bright crimson with golden pencilling at center. 4 feet.

CHICAGO.—An exceedingly fine bloomer and strong grower, flowers very large and flat; petals broad and five in number; color orange scarlet; producing a handsome effect. Foliage is a bright green. 5 feet.

MILLE. BERAT.—Green foliage. One of the best bedders we have. A very soft shade of rose carmine. Petals long and hanging gracefully upon the flower stalk. 5 feet.

PHILADELPHIA.—Green foliage. One of the best for massing. Makes a splendid bed planted alone as a solid color. Petals broad and shapely; color clearest shade of glowing crimson. 4 to 5 feet.

PRESIDENT McKinley.—So better dwarf. Brilliant crimson, with bright scarlet shading; truss large, compact, of good shape, held well above the foliage; very free flowering. 2½ to 3 feet.

PRESIDENT CLEVELAND.—Bright orange scarlet, large truss, strong, robust. 4 feet.

ROBERT CHRISTIE.—Green foliage. Large flowers, of a bright vermilion, forming large trusses. A early and prolific bloomer. 5 feet.

Price of above, each, 10c.; doz., \$1.00, postpaid

GILT-EDGE VARIETIES.

FLORIDA.—Dwarf; beautiful carmine red, bordered deep with golden-yellow. 2 feet.

GLORIOSA.—Dwarf. Color, bright rich crimson, with wide border of deep golden-yellow. A most showy and handsome variety. 2 feet.

MADAME CROZY.—Old reliable, all round, general purpose Canna. Very large scarlet-red, flowers border with gold. Spike large; of fine form; great bloomer. 3½ feet.

QUEEN CHARLOTTE.—Rich crimson-scarlet, with wide gold border on every petal. A profuse bloomer. Broad green leaves. 3½ feet.

SOUV. DE ANTOINE CROZY.—A fine gilt-edged variety. Large full spikes. Rich crimson flowers, bordered with golden-yellow. 3 to 4 feet.

Price of above, each, 10c.; doz., \$1.00.

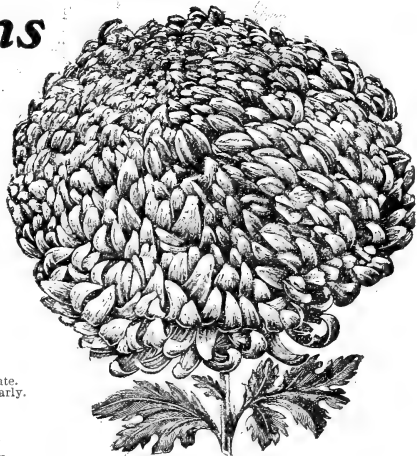
SOME CHOICE NEW CANNAS, SEE NOVELTY LIST

Special Prices on application for Larger Quantities of Cannas than Here Quoted.

Chrysanthemums

NEW VARIETIES.

- ADULA**—A fine late white, with good stem and foliage. 15c.
BLACK HAWK—Looks like crimson velvet; a shade long desired. 10c.
LAVENDER QUEEN—Large Japan blooms of great depth. Soft, lavender pink. Late. 15c.
MRS. O. P. BASSETT—Large clear yellow, very beautiful. Early. 15c.
R. HOOPER PEARSON—Large bloom, broad petals, slightly incurved; deep golden yellow; 2d. early. Stems and foliage perfect. 15c.
TIMOTHY EATON—Very large, pure white, incurved, Japan; perfect in form, stem and foliage. Nov. 15. Each, 25c.
WHITE BONNAFFON—Large pure white, ball shaped bloom. A very fine late sort. 15c.
XENO—A grand late, pure satiny pink, incurved Japan sort; good stem. 15c.
ONE STRONG PLANT, EACH, ABOVE EIGHT NEW SORTS, 85c.



JAPANESE CHRYSANTHEMUM.

16 FINE STANDARD VARIETIES.

- GOLDEN WEDDING**—The largest golden-yellow ever introduced. Nothing can exceed the richness of its color. A vigorous grower. 2d early.
IVORY—Early. Pure white; a splendid free-flowering variety, for its grand globular form, its Dahlia-like petals and absolute purity of color.
MAUDE DEAN—A large, late, pink variety; incurved; petals broad.
MAJOR BORTAFON—A grand yellow; incurved; petals large. 2d early.
MERRY XMAS—The latest of all whites; blooms in December.
MRS. HENRY ROBINSON—An early white, blooming with us October 5th.
MRS. F. BERGMAN—One of the earliest white. Very fine; stiff stems.
MRS. PERLIN—Fine pink; globular form; incurved; 2d early.
MRS. JEROME JONES—A beautiful waxy-white; broad incurved petals. Late.
MUTUAL FRIEND—Very large and full. Purest white; much desired. 2d early.
NIVEUS—A grand snow white variety; flowers large; incurved. 2d early.
PINK IVORY—Extra large, incurved, clear rose pink blooms. Early.
PHILADELPHIA—Large incurved white, shading to lemon-yellow. 2d early.
VIVIAND-MOREL—Light rose, creamy white and pink; very fine. 2d early.
W. H. LINCOLN—Bright yellow; large, splendid flower; long stems. Late.
WM. H. CHADWICK—Immense graceful bloom; waxy-white, tinted pink. Late.

Price of above, each, 10 cents; any 6 for 50 cents; 13 for \$1.00, or the Full Set of 16 Varieties for \$1.35, Postpaid.

Six Superb Carnations.

Price, 10 cents each. The Set of 6 for 50 cents.



CARNATION BLOOMS.

- METEOR**—A beautiful crimson-maroon. One of the latest; fine for cutting.
GOLD NUGGET—The best yellow. Strong grower; free flowering; long, strong stems.
G. H. CRANE—A clear brilliant scarlet; comes early, and is an all season bloomer. Well formed flowers; 15 to 18 in. stiff stems; a robust grower of bushy plants.
FLORA HILL—Grandest white to date. Enormous flowers. Wonderfully free bloomer.
TRIUMPH—Large pure pink variety; strong grower; dark green foliage; one of the best.
DAYBREAK—A delicate flesh color. A great favorite as a cut flower. Very free flowering and has long stems. Has a world wide reputation.

Six Charming Fuchsias.

Price, 10 cents each. The Set of 6 for 50 cents.

- AVALANCHE**—Beautiful golden foliage; a dark double violet-purple corolla.
BLACK PRINCE—Large expanded corolla of reddish color; habit of growth extra fine. One of the most abundant blooming varieties that we have.
LUSTRE—Tube and sepals pure white, vivid crimson corolla; free bloomer.
MAD. VAN DER STRASS—Fine, large and elegant form; sepals long and reflexed; pure red; corolla large, double white. The finest market double white Fuchsia.
CARL HOLT—Striped red and white. A free blooming and distinct single variety.
ROSAINS PATRI—Strong and bushy, beginning to bloom quite early in the spring and continuing very late. Tube and sepals are brilliant deep scarlet, thick and leathery in texture; corolla very large, double, and pure white.

Six Finest Begonias For Bedding and House Culture.

Price, 10 cents each. The Set of 6 for 50 cents.

- ARGENTEA GUTTATA**—A handsome foliage variety. Purple bronze leaves, oblong in shape, with silvery markings. White flowers.
VULCAN—A grand new Begonia. Has an intense scarlet bloom.
SANDERSONI—A bushy growing variety with glossy deep green leaves. Flowers in clusters of drooping, scarlet, heart-shaped buds.
METALLICA—Grand for tall specimen plants. Thick panicles of pink buds and white flowers against large red veined leaves of glistening bronze-green.
ERFORDIA—This variety is compact and symmetrical in form; has foliage of brilliant green, which is literally covered by its rosy salmon flowers.
RUBRA—Dark glossy green leaves. Free flowering. For house or conservatory. Flowers a rich coral red, in large pendulous panicles.

FOR NEW BEGONIA GLORIE DE LORAIN, SEE NOVELTY LIST.

Catherine Aberle, Ohio, May 14th.—The two Hydrangea plants received in excellent condition. The tulips ordered from you last fall are in bloom. Every bulb has a flower and they are a perfect collection.

Dahlias

The Dahlia is one of the showiest of all autumn flowers. Commencing to flower in July, they are a perfect blaze of bloom until stopped by frost. Especially fine for cut flowers. We know of nothing more showy for table decoration than a loosely arranged bouquet of long-stemmed Cactus or Single Dahlias.

Culture.—While it is one of the easiest of all flowers to cultivate, if by no means follows that it needs no attention. In fact, no flower will give such a generous response to good cultivation. Deep and thorough stirring of the soil during the early growth of the plant is indispensable, but later in the season frequent surface culti-

vation only should be given. Plant in an open, sunny situation, at least where the sun reaches them the greater portion of the day. It is a rank feeder, and should have well enriched soil and kept free from grass and weeds. Cultivation should cease when the blooms appear; simply water liberally in dry weather. Plant the bulbs 2 to 3 feet apart, according to size and habit of the plant, about four inches below the surface of the ground, laying the bulb on its side. Varieties growing three feet or more in height should be tied to stakes to prevent falling over. Plant about the first of May in this latitude, or when the ground has become warm.

Winter Protection.—As soon as the frost has killed the foliage, the roots should be carefully taken from the ground and the soil shaken from among them; they may be stored away in a cool place, not too dry, but secure from frost.

Dahlias are divided into six general classes, and the following rules apply only in general: **Cactus**—The long, narrow petaled varieties, the petals generally pointed or twisted. **Decorative**—Broad, flat petals, formerly classed with Cactus. **Fancy**—Variegated. **Pompone**—The small, round Dahlias, plants generally dwarf and bushy. **Show**—Large, well formed flowers, showing solid colors, but may have shaded tips.

Abbreviations.—C—Cactus; D—Decorative; F—Fancy; P—Pompone; S—Show. The letters following the names indicate to which class the variety belongs.

Filling Orders.—We send dormant roots as weather will permit, up to about April 15th. After our roots are exhausted we send good pot-grown plants.

Prices on all Dahlias are postpaid, unless otherwise quoted.

Clifford W. Bruton (S) The finest yellow Dahlia yet produced. Decorative. Cactus large, perfectly full; in color a solid pure yellow, very clear and rich, borne on very long, graceful stems; of great value for cutting. Robust grower and profuse bloomer.

Storm King (S) This new snow-white Dahlia is extremely early, a profuse and constant bloomer, strong, vigorous grower of dwarf branching habit, and produces its flowers on long stems. The flowers are snow-white, of perfect form, and full to the center. As a cut flower it is the florist's ideal.

Admiral Dewey (D) A valuable new variety, with large flowers of beautiful rich pure purple. Bound to become popular.

White Swan (S) A new white of extra merit: long stems; fine for cutting.

John Elitch (D) Flowers very large, five to six inches in diameter, and double to the center; color bright dazzling red. 6 feet.

Prince of India (D) Very large and perfect: a beautiful rich rosy crimson.

Price of the above, 15c. each; 3 for 40c.; per Dozen, \$1.50, postpaid.

Matchless (C) A superb variety and a great prize winner. Large, handsome flowers of fine form, perfectly full and rich, soft maroon; exceedingly showy.

Floral Park Jewel (F) Flowers of many colors, from deep maroon to bluish white, also beautifully spotted and variegated forms, all produced on the same plant.

Nymphæa (C) An American Dahlia of the greatest merit; a cut flower unexcelled in Dahlias; large and graceful; robust grower. A novel, clear delicate pink, not unlike a water-lily in form and color; a mass of bloom from June until frost. 3 feet.

New Perle The finest white Cactus yet introduced; a perfect gem; as a cut flower might be called a white Nymphæa; one of the finest for cut flowers.

Daybreak (P) A pleasing soft pink, like "Daybreak" Carnation. Best dwarf, by all odds, we saw last season; loaded with flowers.

DAHLIAS IN SETS.

We offer Dahlias in sets as follows, our selection of varieties.

ONLY 50 CTS. PER SET OF 4, POSTPAID.

- 4 Best Cactus Dahlias, named—Red, White, Pink, Yellow.
- 4 Best Show Dahlias, named—Red, White, Pink, Yellow.
- 4 Best Decorative Dahlias, named—Red, White, Pink and Yellow.
- 4 Best Single Dahlias, named—Red, White, Pink, Yellow.
- 4 Best Red Dahlias.
- 4 Best Pink Dahlias.
- 4 Best Yellow Dahlias.
- 4 Best White Dahlias.

ANY SET OF FOUR
Only 50c., postpaid.

Our Selection, one each, RED, PINK, WHITE, YELLOW, MAROON AND VARIEGATED, postpaid, **ONLY 70c.**
Cheap Collection. Double Dahlias, unnamed. 3 for 35c.; 6 for 60c.; dozen, \$1.00, postpaid.

We will send Dahlia plants in place of bulbs when our stock of the latter is exhausted.

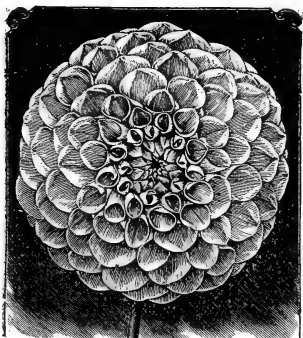
Mrs. H. Snyder, Ohio, May 10, 1900.—"Received the Dahlia Bulbs today. They are the finest I ever received from any seedsmen."



CLIFFORD W. BRUTON.



NEW DAHLIA, STORM KING.



PURITY. PUREST SNOW-WHITE.



MISS MAY LOMAS.



WM. AGNEW. INTENSE DAZZLING RED.

Purity (S) A PURE WHITE Dahlia of large size, perfect form and exquisite finish; a vigorous grower, dwarf-branched and a free bloomer.

Miss May Lomas (S) One of the grandest in the entire list. Flowers distinct, having very large, shell-like petals of exquisite waxy finish; pure white, faintly suffused with soft, rosy lavender.

Pluton FINEST OF ALL YELLOW SHOW DAHLIAS. A half dwarf, branching; flowers very profusely.

Kate Haslam (S) Lovely soft pink; petals beautifully quilled. 3 feet.

Wm. Agnew Finest of all red Cactus Dahlias, and the largest in size; a magnificent flower in color and form; flowers sometimes measure more than seven inches in diameter; always full to the center; long petals, outer row beautifully twisted; richest shade of intense dazzling red.

Grand Duke Alexis (S) Large, massive flowers, six inches in diameter; beautiful form; ivory white; petals tubular, sufficiently open to show a faint shade of bluish. 4 to 5 feet.

Snowclad VERY FINEST WHITE POMPONE TO DATE. A strong grower of branching habit; a profuse bloomer; perfect form; always full to the center. Largely grown by florists for design work.

Lucy Faucett (F) Lemon yellow; very desirable flower, one of the largest. Flecked with scarlet and purple, sometimes solid colors. 4 to 5 feet.

Black Prince (F) Large, intense velvety maroon, almost black. Blooms in great profusion.

Fern-Leaved Beauty A Fine Bedding Dahlia. A new and entirely distinct type with beautiful foliage; finely cut like a fern; dwarf-branched; flowers distinct, good size, creamy white, border of dark crimson around each quilled petal. 3 feet.

A. D. Livoni (S) Most perfect in form; a delicate rose, soft and clear; very graceful; medium to large; early; a great bloomer. 3 feet.

White Bedder (S) Pure white, extra large flowers; very double; extra long stems; fine.

Zulu (D) Almost black; the darkest of all Cactus varieties. 2 feet.

Countess of Pembroke (D) Pure delicate rose lavender; flowers medium size and perfect form.

Crimson Bedding (D) Deep crimson; large; free flowering.

Mrs. E. C. Monroe (C) A lovely shade of sulphur yellow; flowers large, of perfect form, beautifully reflexed.

Henry Patrick (D) A superb pure white variety of large size and borne on long stems. 6 feet.

Price of above Dahlias, 15 cents each, \$1.50 per Dozen.

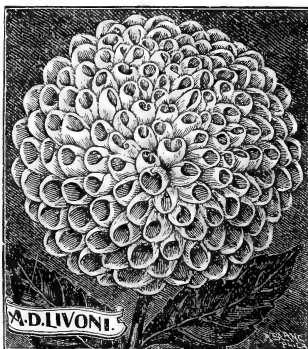
Mrs. Virginia Beach, Meigs Co., Ohio.
— The flower plants sent by express are just fine. Are more than pleased with them. Hereafter I shall have large orders sent by express.



GRAND DUKE ALEXIS.



FERN-LEAVED BEAUTY. NOVEL AND DISTINCT.



A. D. LIVONI.

Single Dahlias.

Much used and very suitable for cut flowers on account of their beauty, grace and long stems. **TRY A SET.**

Miss Roberts—Fine large yellow.
Fashion—Crimson maroon, flamed scarlet.
C. E. Yarnum—Large red, tipped lighter.
Ami—Brilliant scarlet crimson flowers.
Evelyn—Pink with white disc.
Sunningdale—Rich creamy white.

PRICE—15 cents each,
or the
Set of 6 for 75 cents.

Geraniums. New and Standard.

SUPERB DOUBLE GERANIUMS. 10 cts. each. 6 for 50 cts.

Profusion—Rich salmon color; a grand variety for bedding out.
Francis Perkins—The grandest bright pink bedder to date. A fine grower, and stands the sun perfectly. Very free in bloom. Long stems.
Hubert Charron—A beautiful semi-double flower; pure white with a reddish carmine band around each petal, frequently delicately mottled. Excellent as pot plants or for summer bedding.
Heteranthe—Double Gen'l Grant!—Clear vermilion-red flowers showing well above compact, sturdy foliage. A splendid variety.
La Favorite—Most beautiful double white; an excellent bedder.
S. A. NUTT—The very best of the dark crimson-scarlet bedders.

SELECT SINGLE GERANIUMS. 10 cts. each. 6 for 50 cts.

Granville—The finest single pink plant for bedding purposes. Plant of good strong habit, and prolific bloomer; a mass of soft, clear pink.
Athlete—Large flowers and truss; brilliant scarlet; very stately.
Mme. Brunt—A fine variety, with round floret, double; white veined with carmine lake.
PEACH BLOSSOM—Souvenir de Mirande!—Has round florets; upper petals cream-white with distinct rose pink border. A novel color.
Rev. Atkinson—Rich crimson-scarlet, fine large flowers and truss.
Mrs. J. M. GARR—The finest of all single white bedders.

THE SUNPROOF RACE—BRUANT'S 10 cts. each. The Set of 5 for 40 cts.

JEAN VIAUD—The Queen of Pink Bruants!—Soft, pure pink, semi-double, with two white blotches. Dwarf, stocky grower, and several large trusses; perfect florets; a continuous bloomer, withstands the rain.
Mme. Landry—Double. Very free and constant in bloom. Trusses large, and florets of finest size and form. Color, clear salmon, center shading to copper, with a white eye.
Alphonse Ricard—Large flowers in great masses; dwarf and branching. Color bright vermilion scarlet.
Mrs. E. G. Hill—Floret 2½ x 2 inches. Center of each petal is a soft, light salmon, bordered rose-salmon and veined deep-rose. A beauty.
Frest Victor Dubois—Enormous trusses formed of extra large semi-double florets. Color, a beautiful shade of rose magenta. A shade entirely new in Bruants.

Gladiolus

These fine Summer and Fall Flowering Bulbs produce bloom which embrace every shade of color, and are marvellous beauty. Great improvements have been made in this flower during the past few years. They are of easier culture and produce their brilliant spikes the first year. As soon in spring as ground is sufficiently warm and dry, make plantings at intervals of two weeks during the spring months, whereby a succession of bloom will be had. In the fall the bulbs can be taken up and stored over winter in a dry place.



GLADIOLUS

Mixed Gladiolus. The bulbs we offer are the finest quality, and no better mixture can be had, where fine colors and distinct markings are desired. Our stock is produced by leading specialists and the most critical growers in the United States, hence, improving in quality from year to year. Greater satisfaction for the small outlay required can hardly be obtained. Prices include preparation, unless otherwise noted.

A FEW OF THE BEST NAMED GLADIOLUS.
 Price of each Named Variety, except Snow White, Single Bulbs, 5c. each; any 4 for 30c.; 10 for 70c.

AUGUSTA—Lovely pure white with blue anthers.
AMALTHEE—Pure white with violet-red blotch.
BRENCELEYENSIS—Rich vermilion-scarlet; brilliant, but variety for musing.
CERES—White, spotted with purplish rose.
ISAAC BUCHANAN—Fine, clear canary-yellow.
JOHN BULL—Rich buff, splashed with violet-rose.
LAMARCK—Cherry-scarlet, shaded with orange and with bold white center. Desirable for bunching.
MADAME MONNET—Grand spikes; large flowers; delicate rose, with deeper and richer shadings.
MAY—A lovely pure white flower; petals and rose crimson on the outer edges. Very beautiful.
NAPOLEON III—Rich dark red; very fine form; penciled white line in each petal; white throat.
SHAKESPEARE—White, very slightly suffused with carmine; large rose blotch.
SNOW WHITE—All that need be said about this grand novelty is that it is absolutely pure snow-white, the only pure white Gladiolus in existence. It also has large well-opened flowers, and an enormous spike of the most perfect and beautiful shape. 20c. each; 3 for 1.00; 7 for 5.00.

The 12 Choice Named Gladiolus, one bulb each, including Snow White for 90 cents.

CARE AND CULTURE OF GLADIOLUS.
 Written for us by MR. WILBUR A. CHRISTY, who is a Gladiolus Specialist.
FREE TO CUSTOMERS. 20 CTS. TO OTHERS.

IVY-LEAVED GERANIUMS. 10 cts. each. 3 for 25 cts.

Chas. Turner—Color bright scarlet with soft rose tint, double.
Joan of Arc—Double, white suffused with lavender; free bloomer.
Prince Albert—Beautiful green foliage, with a creamy white band, sometimes changing to pink; flowers single pink.
Garden Glory—Fine bright scarlet. Bold, full flower, free grower and bloomer.

Incomparable—Trusses very large; an exquisite shade of rosy-carmine.

SWEET SCENTED GERANIUMS. 10 cts. each. 3 for 25 cts.

The foliage of following varieties has distinct and strong fragrance.
Balm. Mrs. Taylor, Oak Leaf, Rose, Skeleton Leaf, Nutmeg, Lemon, Apple, Shrubland Pet.

VARIEGATED LEAVED GERANIUMS. 10 cts. each. 3 for 25 cts.

MRS. PARKER—Foliage deep green, with a broad border and margin of pure white, the flower is double, clear bright pink.

William Langthor (or Red Flowered Mrs. Parker)—Beautiful green leaves, marked with a broad white band. Double, bright red bloom.

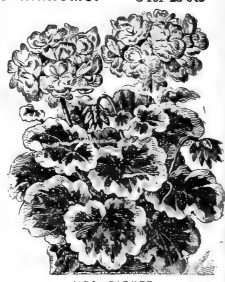
Happy Thought—Dark green foliage, with light creamy, white center, and dark band about the light zone.

Mountain of Snow—Bright green foliage with broad silvery white margin; flowers bright scarlet.

Mme. Salleron—Bright green foliage edged with white; stands sun well; few plants equal it for border.

Bronze Bedder—Foliage bright golden yellow; scarlet blossoms.

Lady Washington Geraniums—See Pelargoniums.



MRS. PARKER.

Our Superb "TRUE BLUE" Mixture.

Made up of extra high grade varieties, the newest and most popular named sorts producing the greatest possible range of color and the most striking mixtures. Specimens of rare beauty which will be appreciated by the most critical and those who care to grow only the best obtainable. Try a doz of 100 and you will be happily surprised. Postpaid—5c. each; 6 for 25c.; doz., 40c.; 40 for \$4.00; 100 for \$2.25. By Express—\$1.75 per 100; \$15.00 per 1000.

LEMOINE'S BUTTERFLY, MIXED.

Made up of the finest sorts. Postpaid—3 for 10c.; doz., 30c.; 40 for \$1.00; 100 for \$2.00. By Express—100 for \$1.60.

NEW GIANT GLADIOLUS.

A magnificent new race with extraordinary large flowers of color and variety. All Colors Mixed. 5c. each; doz., 50c.; 100 for \$4.50, postpaid. By Express—\$4.00 per 100.

OLD STANDARD MIXTURE.

A well balanced mixture unsurpassed in beauty and variety of color, hardly any two alike, composed of old standards and new ones of high merit. Excelled only by our True Blue Mixture. Postpaid—3 for 10c.; doz., 30c.; 50 for \$1.00; 100 for \$1.75. By Express—\$1.25 per 100; \$11.00 per 1000.

POPULAR LOW PRICE MIXTURE.

CHEAP ONLY IN PRICE. Composed of first and second size bulbs of many kinds with a wide range of color. Popular for general use. Postpaid—4 for 10c.; doz., 20c.; 100 for \$1.25. By Express—\$1.00 per 100; \$8.00 per 1000.

GLADIOLUS. Separate Colors.

Price of Single Bulbs and Dozens includes postage. 50 and 100 lots to be expressed at buyer's expense unless 50c. per 100 is added to prices given.

	POSTPAID.	EXPRESS.
	EACH. DOZ.	50 100
White and Light Shades.....	4 40	\$1.75 \$3.00
Pink Shades.....	4 40	1.25 2.00
Red and Scarlet Shades.....	3 30	.85 1.50
Yellow Shades.....	5 50	2.00 3.50
Striped and Variegated.....	4 40	1.50 2.50

Gloxinia. A charming class of summer-blooming plants, the rich and varied coloring of their large trumpet-shaped flowers being beautiful in the extreme, many of them exquisitely tinted and speckled with dots of violet, pink or carmine; flowers are upright and pendulous; colors, crimson, violet, rose, scarlet, white, etc.

Many Colors, Mixed Bulbs—Each, 12c.; 3 for 30c.; 6 for 50c.

Separate Colors—Blue, Pink, White—Each 15c.; 3 for 40c.; 6 for 60c.

Gypsophila. (Baby's Breath)—A very graceful perennial. When in bloom it forms a symmetrical mass of foliage, about two feet in height and is completely covered with small white flowers producing a beautiful gauze-like appearance. As a cut-flower, especially with high colored blooms, it is exquisite, and some very lovely effects are obtained. Can be used in winter bouquets. Each, 15c., 2 for 25c.

Heliotropes. Nothing can take the place of Heliotropes in a bouquet. Any rich, light soil will answer for them. Equally suited for pot culture and for borders. Universally popular on account of their delightful fragrance.

Florance Nightingale—splendid market kind; always healthy; flowers bright lavender; good truss.

Madame Bruant—Large flowers, a rich purple with large white eyes.

Chieftain—Lilac; large truss; a fine one.

New Giant-Flowered—The size of the foliage and its quality are doubled. The plant is compact and bushy; the size of the flowers, in specimen heads, measure 10 to 15 inches across; the color is better.

Each, 10c.; 4 for 35c.; doz., \$1.00.

Hibiscus. **NEW CRIMSON EYE**—A robust grower, with dark stems and foliage. Flowers immense size, purest white, with large spots of deep velvet crimson in the center of each, perfectly hardy. Blooms first year in open ground. Each, 15c.; 2 for 25c.; 9 for \$1.00.

PEACHBLOW—An improvement over other Hibiscus in size of flower, freedom of bloom and strong growing qualities. Flowers double; of a rich shade of clear pink, with small deep crimson center; an entirely new and most beautiful shading; 4 to 5 inches in diameter. Blooms freely, even on small plants. Good as house plant or planted out in the garden. Blooms well in a sunny window in winter. Not hardy. Each, 15c. Year-old plants, 30c.

CRIMSON EYE HIBISCUS.

Honeysuckle. Among the most desirable hardy climbers. They grow with great freedom in any soil, the foliage usually remaining green and apparently perfect long after severe freezing weather, frequently in this climate, until in January. Very desirable to train over a porch.

Hall's Japan—An evergreen variety from Japan. Flowers pure white, changing to yellow. Very fragrant. Each, 20c.; 3 for 50c.

Japan Golden-Veined—Foliage small, beautifully netted with yellow. Flowers white, sweet. Each, 20c.; 3 for 50c. One of each for 30c.; Doz., \$1.75.

Hydrangea Paniculata Grandiflora

One of the grandest of all flowering shrubs, and absolutely hardy in all sections of the country. Easy to grow. Flowers in immense panicles, white at first, gradually changing to rose color, and remains in good condition for weeks. Desirable for lawns or cemeteries. **Strong Plants**, 15c.; 4 for 50c.; doz., \$1.25, postpaid. **Extra Strong Plants** (2 to 3 ft) by Express, 40c.; 3 for \$1.00.

Iris Kaemferii.

(JAPAN IRIS.)

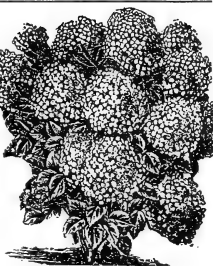
The Fleur-de-lis so popular in France. Flowers are immense in size, of the most beautiful and delicate shades. Perfectly hardy. Flowers in great profusion. A well established plant gives a dozen or more flower stalks 2 to 3 feet high, each stalk producing blooms. The very best in moist soil; if this cannot be had, water freely while growing and flowering.

Best Double Japan—Each, 15c.; 4 for 50c.; dozen, \$1.40, postpaid.

Best Single Japan—Each, 15c.; 4 for 50c.; dozen, \$1.40, postpaid.

GERMAN IRIS—In bloom several weeks before the Japan; the flowers are smaller but equally as rich in color. **Best Mixed German**—Each, 10c.; 6 for 40c.; dozen, 75c., postpaid.

Lily of the Valley. No garden is complete without a few clumps of these fragrant flowers, which are such universal favorites as to need no description. **Clumps**, each, 25c.; 3 for 65c.; 5 for \$1.00, postpaid.



HYDRANGEA.

Ivies. **Hardy English**—Invaluable on account of its remaining evergreen all the year. This is the variety used for covering walls, etc., and has become very popular for covering graves, especially if in the shade where grass will not succeed. Plants, each, 15c.; 2 for 25c.; dozen, \$1.00, postpaid. **Large Plants** by Express, each, 25c.; dozen, \$2.50.

Amurensis—The hardest of all the Ivies, with large, shining dark-green heart shaped leaves. Plants, each, 15c.; 2 for 25c.; dozen, \$1.00, postpaid. **Large Plants**, by Express, each, 25c.; dozen, \$2.50.

Jasmines, Hardy. A favorite climber. Flowers nearly the entire season.

Yellow Jasmine (Nudiflorum)—Produces fragrant yellow flowers; highly useful protection in this climate. Each, 25c.

White Jasmine (Officinale)—Pure white, fragrant flowers; it also makes a very desirable house plant in winter. Each, 25c.

Lantana, Trailing. A fine plant of graceful drooping habit, producing flowers at each leaf. The fragrant flowers are a brilliant rosy lilac, and literally cover the whole plant. One of the best plants for hanging baskets. Trails or climbs as desired. Grown as a single specimen in basket or pot is very attractive; makes a useful garden plant for borders, etc. 10c. each; 3 for 25c.

Lilacs. This well known and fragrant flower needs no description. They grow freely and bloom profusely, even in poor soil.

Common White—Very fragrant. **Common Purple**—Well known. Price of each, 15c.; 2 for 25c. **Larger plants**, 25c.; 2 for 40c., postpaid.



LILY AURATUM.

RUBRUM. (Crimson Banded)—White, heavily spotted with rich crimson. **First Size Bulbs**—Each, 15c.; 3 for 40c.; doz., \$1.35. **Mammoth Size Bulbs**—35c.; 3 for \$1.00.

THE THREE LILIES ABOVE SHOULD BE IN EVERY GARDEN.

MELPOMENE. Very large, rich blood-crimson, heavily spotted. **First Size Bulbs**—Each, 15c.; 3 for 40c.; dozen, \$1.40. **Extra Size Bulbs**—Each, 20c.; 3 for 50c.; dozen, \$2.00.

WALLACEI—Beautiful clear buff, spotted black. 15c.; 3 for 40c.

TERUBOLIM—Beautiful and perfectly hardy; blooms early; color, lovely vermillion scarlet; very handsome. The coral Lily of Siberia; fine for cutting, and should be grown by the dozen. 20c. each; 3 for 50c.

For Easter and other Lilies that cannot be planted in spring, see Fall Bulb Catalogue, issued about Aug. 1st. Free on application.

Calla Lilies.

Large White—Will always be a favorite because of its easy culture, waxy white flowers, and healthy green foliage. Each, 15c. **Extra Strong Plants**, from pots, by Express, 30c.

Spotted Calla—Resembles the White Calla, but of smaller habit. Leaves a glossy deep green with numerous white spots. Ornamental, even when not in bloom. A valuable decorative plant when bedded out in summer. Each, 10c.; doz., \$1.00.

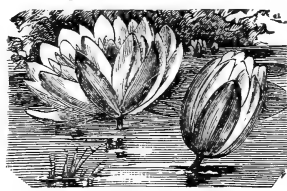
Dwarf Calla—“Little Gem” Scarcely ever exceeds one foot in height; produces good sized flowers in abundance. 15c.; 2 for 25c.

Black Calla—(City of the Holy Land)—A most odd and curious plant, producing flowers of immense size; color purplish-black. Each, 20c.



LITTLE GEM OR TOM THUMB CALLA.

Hardy Water Lilies. Are becoming more popular every year, no class of plants are more easily cared for when once established. The cultivation is very simple; the best soil for growing them is a rich, fibrous loam, with a liberal mixture of well-rotted manure; cow manure is very desirable. Rich mud from the bed of a pond or sluggish stream is also good. May be successfully grown in the open air in tubs, either on the surface or sunk in the ground. Oil barrels cut in two make inexpensive tubs. About the middle of May put in the loam to the depth of 6 or 8 inches, in which plant the roots, barely covering them. Put on about two inches of sand to prevent the manure from rising to the top. Fill in 6 inches of water, set in a sunny place, adding water gradually until the tub is full by the time the leaves have covered the surface and replenish the water as it loses by evaporation. In the winter pour off the water and move to a cool cellar, or keep from hard freezing by covering with leaves.



NYMPHAEA ODORATA.

NYMPHAEA ODORATA SUPERBA—A superior variety of the well-known white Lily of our ponds and streams; very fragrant; golden-yellow center. 20c.; 3 for 50c.

N. ODORATA ROSEA—The famous pink water Lily of Cape Cod. A very choice variety. 40c.; 3 for \$1.00.

N. MARLIACEA CARNEA—This plant produces medium sized flowers of a delicate flesh color. It is considered by many the finest Lily of its class. Blooms all summer. 60c. each.

N. MARLIACEA CHROMATELLA—The grandest of all yellow Nymphaeas. Very double; the color being a very beautiful lemon-yellow; a free bloomer and as hardy as an oak. 40c.; 3 for \$1.00; 7 for \$2.00.

N. ALBA CANDIDISSIMA—Large white variety of Europe. Flowers large; free bloomer; one of choicest varieties. 50c.; 3 for \$1.25.

NELEMBIUM SPECIOSUM—(Egyptian or Sacred Lotus)—A grand lotus; perfectly hardy; and one of the loveliest; the flowers when expanding are a beautiful rosy pink; when open, a creamy white and pink; very fragrant. Should not be planted outside before the latter part of May.

Flowering tubers or plants—75c.; 3 for \$2.00.

WATER HYACINTH—Very interesting and useful; floats on surface of the water and produces fine spikes of light rosy lily, orchid-like flowers. Should be grown in about three inches of water. Each, 15c.; 5 for 50c.; doz., \$1.10.

Funkia. "Plantain Lily." By some called "Day Lily." A superb autumn flower, desirable to plant on the side of lawns or at the edge of shrubbery; succeeds in either sun or shady places. Fine for cemetery. **Cordata White Plantain Lily**—A handsome, showy plant with beautiful, broad yellowish green leaves. Its lily-shaped flowers are waxy white, very fragrant. Each, 15c.; 2 for 25c.

Undulata Variegata—Leaves 8 to 10 inches long, 2 to 3 inches wide, beautifully variegated yellow and green. Flowers deep blue. Each, 15c.; 2 for 25c.

Ovata Variegata—An excellent variety with broad green leaves, distinctly banded creamy white. Flowers lavender blue. 15c.; 2 for 25c.

Orange Lily. **Hemerocallis**—(Kusano plena)—A very desirable, able herbaceous plant worthy of extensive planting. Its large beautiful orange-yellow flowers are full and double. Blooms in July and August. Each, 15c.; 3 for 40c.; doz., 15c.

Montbretias. (Blazing Stars)—A very desirable summer flowering plant. Scarce, any bulb will give as much bloom. They are hardy, easily grown and propagate amazingly, once planted they care for themselves. The bulbs, planted in group 6 inches apart in a sunny place and left undisturbed for several years will form magnificent clumps, and throw up large spikes of star-shaped flowers. Spikes from 20 to 30 inches high. They flower freely the first season and should be planted by handfuls.



MONTBRETIAS.

Star of Fire—Brilliant scarlet with clear yellow centre. 5c. each; 3 for 10c.; 12 for 35c.

Grandiflora—Scarlet, large and free flowering. 5c. each; 3 for 10c.; 12 for 35c.

Manettia Vine. A beautiful twining plant producing showy tubular flowers in great abundance the entire season. The color of the flower is very striking; they are also covered with a moss, or hairy substance, that adds much to their beauty. As a pot plant to train on a trellis it is unrivaled; grown in this manner, it will bloom for several years; succeeds admirably in open ground. Grows 8 to 10 feet. A plant of rare beauty.

Bicolor—Flame color, tipped yellow. 15c.; 4 for 50c.

Matrimony Vine.

Lycium Chintese.

A vigorous hardy climbing plant with bright purple flowers, succeeded by brilliant scarlet berries, which ripens early and remain late on the vine; grows in any situation, either shade or sunlight, and in any soil. Plants, 15c. each; doz. \$1.50.

Maderia Vine

The favorite "Climbing Mignonette"—Rapid growing vine; succeeds in almost any soil; easy cultivation; covers a large space in a very short time; leaves light green; bears small, white, feathery, very fragrant flowers. Roots—5c.; 6 for 25c.; doz., 40c.; 100 for \$2.25.

Mexican Morning Glory or Century Vine. and thrives almost everywhere; one of the best we know of for quick growth, and produces beautiful foliage and handsome flowers in enormous quantities. Its large blossoms are of rosy crimson color shaded violet; they often remain in bloom all day in shaded places; a vine of 40 foot growth is not unusual; roots increase freely like the Irish potato. Not hardy, but its tuberous roots can be wintered like Dahlias. Tubers—15c. each; 4 for 50c.

Moon Flower. (Noctiflora)—The well known White Moon Flower. A rapid-growing vine, which will easily cover a surface 25x40 feet in a season. At night and during dark days the plants are covered with an abundance of large, fragrant flowers 3 or 4 inches in diameter. One of the most showy annual climbers. Fine Plants ready about May 10. Each, 10c.; 6 for 50c.; doz., 90c.



LASIANDRA OXALIS.

DIEPPA OXALIS

Oxalis. Summer Flowering—Valuable for edging walks, flower beds, etc. Bulbs planted 3 inches apart form rounded rows of delicate foliage about one foot high; they produce flowers in endless succession. VERY CHEAP—TRY A HUNDRED OF EACH.

Lasiandra—Fine rose pink; beautiful cut foliage. **Dieppa**—Handsome clover-white flowers. Price—Each Sort—Doz., 10c.; 25 for 15c.; 50 for 25c.; 100 for 40c.; 1000 for \$2.50, postpaid.



Pansy Plants.

Favorites with every one, and too well known to need any description. The plants we offer are grown from Livingston's Fancy Strain, embracing large size, best colors and finest forms from best foreign and home collections. Strong Plants—5c. each; doz., 40c.; 100 for \$3.50. Write for prices on larger quantities.

Phlox, Hardy. One of the most satisfactory plants for the garden, and of easy culture, after year and bloom for months. Each truss of flowers forms a perfect pyramidal bouquet by itself.

Cross of Honor—A beautiful light rose, striped pure white. **Flora McNab**—Pure white and free. **Lothair**—Brilliant salmon rose. **Princess of Furstenburg**—White, with carmine eye. **Sir E. Landseer**—A brilliant dark crimson. Large, fine flowers. **Stanford Rival**—Rose pink, dark crimson rays. **Triumph de Twicken**—A rosy magenta. Price, 10c. Each. The 7 for 60c., postpaid.



PEONIES.

Paeonies "Pineys of our Mother's Garden"

(Herbaceous)—A very snowy and useful class of plants; exceedingly hardy, and will flourish in any section, no matter how cold. They grow and flower well in almost any soil and with very little care, but the flowers will be finer and the colors brighter if given rich soil and plenty of manure. We offer fine Roots of the following Double Flowered Varieties—Pink, White, Rose, Crimson and White with Yellow Center. Price of each variety, single roots, 25c.; 2 for 45c.; 5 (one or more kinds) for \$1.00. By Express—dozen, \$2.25.

Pelargoniums. Lady Washington or Fanny Geraniums.—Grand old the older kinds. Each, 15c.; dozen, \$1.40. The Set of 4 for 50c.

DOROTHY—One of the finest ruffled or fringed varieties; flowers large, rosy salmon, dark maroon blotched on upper petal, richly shaded plum around the throat.

MADAME TREBOUT—White, richly blotched and marbled with rose; immense trusses of large, fine flowers.

VICTOR—Bright cherry-red, white markings at base of each petal; two upper petals heavily spotted with deep maroon.

MRS. ROBERT SANDFORD—Flowers large size, well doubled, beautifully ruffled, glistening snow-white.



DOUBLE GOLDEN RUDBECKIA.

Rudbeckia, Double Golden.

One of the most distinct and beautiful hardy perennial. Gives armfuls of large, very double golden-yellow flowers, elegantly set off with their own foliage. **Five Plants, 12c. each; 3 for 30c.; 7 for 60c.; doz., \$1.00, postpaid.**

Rubber Plant. Ficus Elastica.

One of the best plants grown for decorative purposes. It succeeds well with ordinary treatment. Its glossy, thick, dark green leaves seem formed especially to resist the dust and gas to which plants in dwelling houses are exposed. **Small Plants, by mail, 30c. By Express—4-inch pot plant, 60c.; 5-inch pot plant, \$1.00; 6-inch pot plant, \$1.25.**

Mrs. J. S.—"My Rubber Plant is a beauty. Nothing like it in our town. Greatly admired by all."



BOSTON FERN.



RUBBER PLANT.

Boston Fern.

Sold by the thousands in all large cities, and about Boston no other Fern is used so extensively. It differs from the ordinary Fern in having much longer fronds, which frequently attain a length of 4 feet. These fronds arch and droop over very gracefully on account of which it is frequently called the Fountain Fern. This drooping habit makes it an elegant plant to grow as a single specimen on a table or pedestal. Also beautiful as a hanging pot or basket on a porch in summer or in the window in winter. **Price, postpaid, Small Plants, 10c. each; from 3-in. pots, 15c.; 4-in. pots, 25c. By Express, not prepaid—Good Large Plants, from 5-in. pots, 50c.; 6-in. pots, 75c. Extra Large Plants, with fronds from 2 to 3 feet in length, from \$1.00 to \$5.00 each, according to size.**

FERN DISH OFFERS. The use of ferneries as ornaments for the dinner table is now very general. Nothing makes so fine an ornament and nothing is so well adapted for the purpose. For this purpose we make the following offer:
OFFER No. 1—8 Ferns, different varieties, for a 7-inch diameter Dish, 75 cts.
OFFER No. 2—12 Ferns, different varieties, for a 9-inch diameter Dish, \$1.00.



LATANIA BORBONICA.

Palms.

Indispensable for decorations. The following are the most satisfactory and best adapted for house culture.

KENTIA BELMOREANA—The Kentias are among the best of the Palm species for general cultivation, being almost impregnable against diseases, and not affected by dust or dry atmosphere of our heated rooms. This variety is one of the best of its class; graceful habit, bright green foliage; as a decorative plant for the window, dinner table or conservatory it scarcely has an equal. **Small Plants, each, 25c. Large Sizes, nice plants, 50c. and \$1.00.**

KENTIA FOSTERIANA—One of the finest pot plants imaginable, and the easiest to grow of any of the Palm family. Being almost hardy, it is not injured by slight changes in the temperature, and its stiff, glossy leaves enable it to stand the dry, hot air of the living room without injury. The leaves are a deep, glossy green, fan-shaped, split deeply into segments. The most hardy of its class. It is very graceful for table decoration. **Small Plants, 25c. each. Large Sizes, 50c. and \$1.00 each.**

COCOS WEDDELIANA—The most elegant of the smaller palms. Slender, erect stems, with graceful arching leaves of light green. Admirable for fern dishes or use on the table. **Nice plants, 50c.**

LATANIA BORBONICA—The old well-known Fan Palm. Very hardy, of easy cultivation, and its large deeply divided fan-shaped leaves make an attractive ornament. **Young Plants, 15c. each. Larger Plants, 25c., 50c. and \$1.00 each.**

ARECA LUTESCENS—A most valuable and beautiful Palm. Its dark glossy green leaves are gracefully curved on slender stems, and the entire foliage is gracefully disposed. The trunk and stems are golden-yellow. **Nice Small Plants, 25c. each.**

LARGE PALMS BY EXPRESS.—We can send large plants ranging in prices from \$1.00 to \$10.00. Write for prices on large plants. We also have other varieties.

Mrs. D. R. Dec. 1900.—"The small Palm Plants which I purchased of you last spring have given abundant returns for the small outlay. Do not see how you can give such good plants for so little money."

Swainsonia Alba.

A most desirable free-flowering plant with white flowers, the individual blooms resembling a Sweet Pea. Its easy culture, growing in almost any light position, freedom of bloom, grace and beauty of the flowers and plant makes it very popular for house culture. **Plants, 15c. each; 2 for 25c.**

SWAINSONIA ROSEA—Beautiful rose-color, exactly like *Alba*, save color, and combines with it very beautifully. **Plants, 15c. each; 2 for 25c.**

Mrs. A. M.—"Plants arrived in good condition. Thanks for your promptness."



SWAINSONIA.



LIBERTY ROSE.

ONE PLANT EACH OF ABOVE DOZEN ELEGANT ROSES FOR ONLY \$1.50

TEA AND EVERBLOOMING ROSES.

10c. each, \$1.00 per Dozen, postpaid.

The varieties marked * are hardy. Most of the others can also be wintered over by giving some protection.

- Bon Silence**—Deep rose; sometimes bright rosy crimson.
- Bridesmaid**—A sport from Catherine Mermet, but produces buds and flowers of a much deeper shade of pink; fine for cutting.
- Bride**—Best large white rose for cut flowers and general culture.
- Champion of the World**—Bright coral pink; large and double.
- Cornelia Cook**—Beautiful creamy white; buds immense size; double.
- Catherine Mermet**—Clear rosy-pink; flowers large; one of the best.
- Coquette de Lyon**—Canary yellow, medium size and good form. Very free bloomer. Sometimes called the "Yellow Hermosa," on account of freedom in flowering.
- Etoile de Lyon**—Light golden-yellow; very sweet; large; fine form; best yellow for open air culture.
- Gen. Robert E. Lee**—Orange-yellow, sometimes light yellow; quite a unique color.
- Henry M. Stanley**—Color a rare shade of amber-rose, tinged with apricot-yellow towards the center. Reverse of petals clear buff-rose, of good substance, large, finely formed, and fragrant.
- J. B. Varrone**—Long and pointed bud of bright carmine, opening out into a fine double flower of varying shades of red and rose. Very sweet scented.
- Maman Cochet**—Beautiful double deep rosy-pink buds. Equally good for pot or outdoor culture.
- Maman Cochet White**—Identical with above except in color; fine for bedding.
- Marchal Niel**—The buds and flowers are superb, extra large, very double and sweet scented; color is deep golden-yellow.
- Marie Guillot**—The best White Tea Rose for outdoor culture.
- Mrs. DeGraw**—A fine ever-blooming, hardy garden rose, of strong, vigorous growth. Flowers of good size; rich glossy pink; very fragrant.
- Perle des Jardins**—Has no rival except M. Niel; rich canary-yellow.
- Queen**—Large, pure white flowers. Fine for bedding.
- Queen's Scarlet**—Best red rose for bedding; hardy; flowers of large size; a fiery scarlet color.
- Snowflake (White Hermosa)**—Dwarf habit; really wonderful in constant profusion of bloom; exquisite pure white flowers of medium size.

New and Rare Roses.

An Even Dozen. Assorted Shades. The Finest Ever Sent Out.

Balduin One of the gradated Tea Roses of recent date. The color is a bright, glowing, carmine-red. Bud long and elegantly pointed, and as sweet as a June Rose. Produced in the greatest profusion all summer. Young plants, each 15c.; 2 for 25c. Larger size, 30c.; 2 for 50c.

Gruss an Teplitz—A bedding Tea Rose, this is one of the finest and most useful varieties of recent years. The color is of brightest scarlet, shading to deep, rich, velvety-crimson; very fragrant; a free grower and profuse bloomer throughout the season. Each, 15c.; 2 for 25c. Larger size, 30c.; 2 for 50c.

Glory Lyonaise have. It is not to be called a deep yellow, but rather a pale shade of chamomile, or salmon-yellow, deepest at center; delightfully sweet. 15c. each; 2 for 25c.

KAISERIN AUGUSTA VICTORIA—The finest white Everblooming Hardy Garden Rose. Elegant large-pointed buds and very large, full, double flowers. Color delicate creamy-white; deliciously fragrant; strong stems; rich glossy foliage. One of the finest Roses for cottage wear. 15c. each; 2 for 25c. Larger size, each 30c.; 2 for 50c.

LIBERTY—A Grand New Hybrid Tea Rose. (See illustration.) Finest of all crimson-scarlet Roses, far surpassing any other in brilliancy and purity of color, as well as in size and freedom of bloom. Resembles the well-known Grand Jacqueminot both in size and fragrance. Flowers freely produced from early summer until late in autumn. Distinct and beautiful. Each 25c. Stronger plants, 50c.

MRS. ROBERT GARRETT—A beautiful Rose of exquisite shape, finish, and blending of colors. Flowers large, on strong stems, clothed with heavy foliage. Buds long and pointed and open up beautifully into a full, rounded flower. Color a glowing shell-pink, very deep in the center; the fragrance is delicate and pleasing. 15c. each; 2 for 25c. Larger size, 30c. each.

PRES. CARNOT—An excellent Rose of large size and exquisite shape, with heavy, thick, shell-like petals; buds long and pointed, borne on stiff stems; colors delicate, rosy flesh, shaded a trifle deeper at the center. 15c. each; 2 for 25c. Larger size, 30c. each.

PERNET'S TRIUMPH—Of strong constitution and fine habit; flower large, double and of heavy texture; bud long and nicely pointed; free in bloom; a fine Rose of deep crimson color. Each 15c.

PRINCESS SAGAN—Bright scarlet crimson; flowers medium size, semi-double; fragrant. A remarkable and showy color among Tea Roses, 15c.

PSYCHE—In growth and habit it much resembles the Rambler. Flowers in clusters of 8 to 12, and 2 to 2½ inches across when expanded. White, suffused with salmon-rose and pink, with yellow base to the petals. A real companion to the Rambler. Each, 20c. Larger size, 35c.

RED MARECHAL NIEL—A fitting companion to the Yellow and White M. Niel, and completing a most desirable trio. A cross between the ever-gorgeous Gen. Jack and the yellow and white M. Niel. Large well-shaped and full; color carmine red, shading to pink; fragrance delightful; strong grower. 15c. each. Large plants 40c. each.

SUNRISE—The most gorgeous Rose of its class yet introduced. It close bud form it shows a high, brilliant scarlet and yellow color. As it opens the color deepens, the scarlet turning darker red, the yellow to orange and copper, the inside of the petal golden yellow. The open rose is large, perfectly double and of grand form. The foliage is glossy and thick, the new growths being darkest and most beautiful found among Roses. Each, 25c.

Select Hardy Roses.

Set of 12 Hardy Roses. 10c. each; \$1.00 per Dozen.

The following selection of Hybrid Roses can be highly recommended for outdoor planting, perfectly hardy, but are benefited by slight protection of leaves or coarse litter during the winter; also a little straw tied loosely about the tops.

American Beauty—This famous rose has buds large, full, double and exceedingly sweet; color rich rosy-crimson; very lasting after cutting, and commands the highest price.

Anna de Diesbach—Brilliant rose-color, with long pointed buds and large, thick formed blossoms; fragrant. Vigorous grower and persistent bloomer.

Ball of Snow—A finely formed, pure white rose; beautiful shell-shaped petals. Flowers of good size. Very free bloomer and fragrant.

Clio—Delicate satin-blush, with light shading of rosy pink at center; free bloomer; strong, healthy grower.

Coquette des Blanchés—Pure white hardy rose; fragrant. Suitable for country place.

General Jacqueminot—Bright crimson-scarlet; exceedingly rich and velvety; strong, healthy grower and free bloomer; very hardy.

Hermosa—A great favorite; always in bloom; a most pleasing shade of pink; grand for bedding or pot culture.

Marie Van Houtte—Pale yellow; fragrant. Very free blooming

Meteor—A most beautiful rose; unsurpassed among Hybrid Teas for hardiness and freedom of bloom; long-stemmed flowers of medium size; double; color intense glowing velvety crimson.

Pail Neyron—Deep shining pink; extra large; of fine form.

Prince Camille de Rohan—Deep, velvety-crimson; large and fine; almost black.

Semiramide la Malmouche—(Bourbon)—One of the choicest roses; one that will give entire satisfaction for either garden or pot culture, color a creamy flesh, bright and clear; large and double; very fragrant.

"Souper" Collection of Roses.

Price, postpaid, 10c. each, The 4 for 35c.

New Pink Souper—Free and constant bloomer, covered, when only a few inches high, with dozens of bright rosy-pink flowers, changing in hue as they fade and producing a pleasing effect.

Yellow Souper (Mosella)—Splendid bedding rose: strong grower; flowers in clusters, on single stems; yellow in color, turning creamy white on the edges of the petals.

White Souper (Leonie Osterreith)—There is no better white rose grown; buds good size, flower full, double and deliciously fragrant; pure white with deep center.

Clothilde Souper (Polyantha)—Vigorous growth, compact, wonderfully profuse and constant bloomer; flowers very double, produced in clusters, beautiful pearly-white with rose-lake center; slightly fragrant; very hardy ever-blooming rose. One of the finest.

Climbing Roses. The Rambler Roses.

Price, postpaid, Good Plants, from 2½-inch pots, 10c. Stronger Plants, 25c.

CRIMSON RAMBLER—Of very vigorous growth, making shoots 8 to 10 feet during the season, a charming pillar rose, magnificent in bush form, and for covering buildings, trellises, etc., it cannot be excelled. Its remarkable color is of the brightest crimson. Flowers produced in pyramidal panicles or trusses, each carrying 30 to 40 blooms.

YELLOW RAMBLER (Aglia)—A very hardy Yellow Climbing Rose. The beautiful clear yellow flowers are borne in immense trusses, sometimes over 100 in a cluster.

PINK RAMBLER (Euphrosyne)—Similar to Yellow Rambler, except color, which is a clear shiny rose or pink. In hardiness, freedom of bloom, form and color of flowers and vigorous climbing habit it is fully equal to Crimson Rambler.

WHITE RAMBLER (Thalia)—The numerous small double flowers are pure white; in other respects very similar to Yellow Rambler.



MAMAN COCHET. SEE PAGE 94.

HELENE. A New Seedling from Crimson Rambler. —Of very robust growth, throwing up canes 10 to 15 feet high in a single season. Foliage thick, leathery and glossy; flowers borne in large clusters in amazing profusion, and nearly double the size of Crimson Rambler; color a pure, soft velvet-rose, almost blush; base of petals yellowish; buds are carmine, finely massed, borne in clusters of 25 to 30. Each, 15c.; 2 for 25c.

Hardy Climbing Roses

Postpaid, each, 10c.; 4 for 35c. Larger Plants, 25c.

The following varieties endure the most trying weather. They grow with great rapidity, will cover a building, wall or fence in a very short time. They produce bloom in large clusters abundantly.

BALTIMORE BELLE—Pale blush, shading to rose color; double flowers in large clusters.

FAIRIE QUEEN—Extra fine; free bloomer; flowers extra large, clear shiny rose or pink. In hardiness, freedom of bloom, form and color of flowers and vigorous climbing habit it is fully equal to Crimson Rambler.

MARY WASHINGTON—Bears large, double, fragrant white roses usually in large clusters, in great abundance. Vigorous, rapid grower.

REINE MARIE HENRIETTE—An excellent crimson flowered ever-blooming climber. The flowers are exquisitely formed, very full and double, nicely Tea scented; strong growing and very free flowering.

CLIMBING METEOR—This new rose might well be called perpetual blooming climbing Jacqueminot, the color of which it strongly approaches, but is more vigorous, producing ten times the number of flowers on immense stems.

The La France Set.

RED, WHITE, PINK AND STRIPED.

A choice group of Hybrid Teas, widely known and celebrated everywhere for hardiness, constant bloom, beautiful color and fragrance.

40c. for the La France Set of 4, postpaid.

PINK LA FRANCE—This famous silvery-pink rose is very popular.

RED LA FRANCE (Duchess of Albany)—Deep, rich rose-pink flowers.

WHITE LA FRANCE—Large, elegant, pearl-white flowers flushed with rose.

STRIPED LA FRANCE—Shows odd clear stripes of both lovely pink and white tints.

Hardy Memorial or Trailing Roses.

Each, 10c.; 4 for 35c. Larger Plants, 25c.

The hardiest of all roses. Will stand any climate or exposure and thrive in the poorest soil. Foliage bright green. Flowers in great profusion, deliciously fragrant.

MANDA'S TRIUMPH—Large clusters, double pure white flowers, well formed.

PINK ROAMER—Single flowers nearly two inches in diameter, bright, rich pink, almost white center.

SOUTH ORANGE PERFECTION—Flowers blush pink, changing to white; double; medium size; an elegant plant and profuse bloomer.

UNIVERSAL FAVORITE—A robust grower; splendid deep green foliage; abundant flowers, large, double, fragrant, of a deep rose color.

WICHURIANA ROSE—Creeps over the ground like Ivy. Especially valuable for cemetery planting. Produces profusely large single white flowers with yellow center; wild rose fragrance.

Polyantha or Fairy Roses.

Price, 10c. each; 4 for 35c.; dozen, \$1.00.

A distinct class. Perfectly hardy. Desirable for house culture. Of low growth, branching freely and commencing to bloom while the plants are yet small, and continuing to bloom nearly all the time. There is no kind of rose that compares with it for a window plant, and it is easily grown. Flowers produced in clusters, not large, but very perfect. Excellent for bedding out, producing flowers in profusion. Requires a slight protection in winter.

LITTLE WHITE PET—Light pink or blush on opening, changing to pure white; splendid for cemetery.

MIGNONETTE—Clear, soft pink, passing to white, tinged with pale rose; perfectly double and delightfully fragrant.

MAD. CECIL BRUNNER—Plant of dwarf growth; excellent for bordering beds; color, salmon rose on a yellow ground; vigorous grower.

PAQUERETTE—Flowers pure white, of most perfect shape, flowering in clusters. A free bloomer, and one of the finest pot plants.

Cemetery Collection of Pure White Hardy Roses. The 5 for 50 cents.

BALL OF SNOW—A Rose of large size, perfectly double, exquisitely fragrant, pure white color and entirely hardy. It is invaluable for cemetery or other planting where white flowers are desired. 15c. each. Large plants, 35c.

MADAME ALFRED de ROUGE MONT—A strong, vigorous grower. Begins to bloom early and continues until stopped by freezing. Pure snow-white, large, double flowers, finely tinged with pale rosy-blush; borne in large clusters; fragrant, and good. 15c. each. Large plants, 35c.

This Beautiful Hardy, Ever-Blooming Cemetery Collection for only 50c., postpaid. Two-year-old Plants, \$1.00.

LADY EMILY PEEL—A charming rose, medium sized and full; regular form; very sweet; color, pearl-white, sometimes tinged with pale rose. 15c. each. Large plants, 25c.

PERFECTION des BLANCHES—A finely formed, pure white rose; occasionally shows light flesh when first opening. Flowers of good size and fine form. 15c. each. Large plants, 30c.

COQUETTE des BLANCHES—Flowers of good size, perfect, and of fine form. One of the finest, freest, and most beautiful of the white hybrids. 15c. each. Large plants, 30c.

Spireas.

These graceful shrubs everyone should plant; of easiest culture; very desirable in collections; blooms early and throughout the summer months. Perfectly hardy.

Anthony Waterer—(New Crimson Spirea)—The most valuable hardy ornamental shrub recently introduced. Grows from 12 to 24 inches high, in a compact, bushy form. A perpetual bloomer, bearing large clusters of bright crimson flowers. Valuable for bedding and borders. Plants, each, 15c.; 2 for 25c. Extra Strong Plants, by Express, each, 25c.; 2 for 40c.; 6 for \$1.00.

Bumalda—A very handsome dwarf of compact habit; covered during mid-summer and autumn with a mass of lovely, bright rose-colored flowers. Plant, 15c. each; 2 for 25c.

Frankia—(Palm Leaved Spirea)—The well-known and popular variety, commonly called "Br. Al Wreath." Fragrant in autumn turns to a fine bronze. Blooms in May, with pure white double flowers. Makes showy specimen plants for lawn. Plant, 15c. each; 2 for 25c.

Van Houttei—A vigorous plant that curves gracefully towards the ground, and the last of May or in June are covered with a mass of pure white bloom. Plants, 15c. each; 2 for 25c.; Extra Strong Plants, by Express, 25c. each; 3 for 60c.; 7 for \$1.00.

One each of above four Spireas for 50c., postpaid.

Sunflower, Hardy Double *Helianthus Multiflorus*—A "Golden Gem" and a great addition to our hardy Herbaceous plants. Its dark golden-yellow color is both fashionable and beautiful for cut flowers. Planted singly or in clumps on the lawn gives a splendid effect, as it is one of the most hardy plants; once planted it is always there and grows more beautiful from year to year. 15c. each; 2 for 25c.; 4 for 40c.; doz., \$1.00.

Sweet-Scented Shrub. *Calycanthus Floridus*.—Chocolate colored, strawberry scented, flowers very double, deliciously fragrant; remains in bloom a long time. Very desirable indeed. Good Plants, 15c. Larger Plants, by Express, 25c. to 50c.

Salvia Splendens. "Bonfire"—Finest of all Scarlet Sages. Large spikes of dazzling scarlet flowers well above the foliage all season; about 2 feet by 2 feet.

Van Silver Spot—With pretty spotted leaves and bright scarlet flowers.

A. RAGNEAU—A New Dwarf Salvia—Early flowering, 15 to 18 ins. tall and blooms as soon as it becomes well rooted. Commences to bloom early and continues until frost. Flowers brightest scarlet, produced in grand spikes.

Price of all Salvias, 10c. each; 3 for 25c.; doz., 90c.

Tuberoses.

One of the most delightfully fragrant and beautiful summer flowering bulbs. Its waxy-white flowers are the sweetest scented that grow. The growing plant is fond of light and heat and should not be planted outside before April 1. If planted in 5 or 6-inch pots and sunk in the ground late in autumn they can be taken indoors for flowering.

Our Tuberose Bulbs are Grown and Cured with greatest possible

Care, and our annual output is many thousands. All our

Tuberoses are flowering size. For large, perfect flowers we recommend the larger bulbs.

DOUBLE DWARF PEARL TUBEROSE—Flowers large size and very double. Extra Size Bulbs—By Mail, postpaid—4c. each; 5 for 15c.; doz., 35c. By Express, not prepaid, doz., 25c.; 4c. each; 50 for 75c.; 100 for \$1.40. Second size Bulbs—By Mail, postpaid, 3 for 10c.; 6 for 15c.; doz., 25c. By Express, not prepaid, doz., 20c.; 25 for 35c.; 50 for 60c.; 100 for \$1.00.

VARIEGATED LEAVED—Leaves heavily striped with creamy white, its large fragrant single flowers are produced in great abundance. 5c. each; 6 for 25c.; doz., 40c.

SPECIAL PRICE ON LARGER QUANTITIES OF TUBEROSES.



WISTARIA.

Verbenas. Many of the mammoth strains. Plants, each, 8c.; doz., 50c. By Express, \$3.00 per 100.

Vinca Major.

A drooping plant for baskets and vases; beautiful green leaves, edged with white. 10c. each; 3 for 25c.; doz., 80c.

Wistaria. Very popular, rapidly growing up to 50 feet or more. It flowers early in spring and when in bloom is truly magnificent. Flowers in masses, like bunches of grapes.

Chinese Blue—Soft lavender-blue; fragrant. By Mail, 25c.; by Express, Large Plants, 35c.; 3 for \$1.00.

Chinese White—By Mail, 35c.; by Express, Large Plants, 50c.

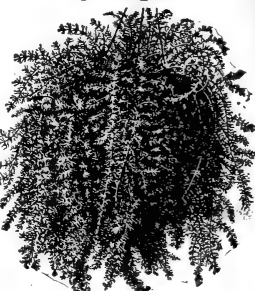
Violets. MARIE LOUISE—The favorite winter-flowering variety; not hardy in the North; flowers rich purple; stems long; foliage rich dark green. Each, 10c.; 4 for 35c.; doz., \$1.00.

CALIFORNIA—Largest of all single flowered varieties. clear violet purple; very fragrant. Each, 10c.; 4 for 35c.; doz., \$1.00.

Hardy English Violets. Double—Hardy; deliciously fragrant; free flowering; color, deep violet; grows and blooms in any garden; free from disease; makes a good cemetery plant. 10c.; 4 for 35c.; doz., \$1.00.

Ornamental Asparagus.

Asparagus Sprengeri—Climbing in-door plants of rare beauty; nothing better for window gardening. Highly praised everywhere; handsomest when drooping from a pot or basket; sprays 4 to 5 feet long, of fresh green feathery foliage, useful for bouquets, wreaths or sprays; remains for weeks after cutting; grows freely the year round; white flowers, followed by red berries. A plant that will please. Good Young Plants, 15c.; 4 for 50c.; doz., \$1.25. Stronger Plants, 25c.; 3 for 60c. By Express, large plants, from 50c. to \$2.00, each.



ASPARAGUS SPRENGERI.

Asparagus Plumosus Nanus—(Climbing Lace Fern)—Very graceful climbing plant with beautiful bright leaves; foliage equal to the most delicate fern, and will last for weeks after cutting; excellent house plant; succeeds under almost any condition; many prefer it to the popular Simlax for fine decorations. Good Young Plants, 15c.; 2 for 25c.; Stronger Plants, 25c.; 3 for 60c. By Express, Large Plants, from 50c. to \$2.00, each.

Chenille Plant.

"Comet Plant."

(*Acalypha Sanderi*)—A most distinct and striking new plant; for ornament and decoration unsurpassed. Has spikes of glowing crimson scarlet, 18 to 24 inches long; of early growth, free-flowering the entire season. A plant hard to surpass in the conservatory or greenhouse. Plants, each, 10c.; 3 for 25c.; doz., 90c.



CHENILLE PLANT.

Hardy Pinks.

Perfectly hardy, and remains in the open ground all winter without protection. The foliage has a beautiful metallic shade of bluish green. The flowers are perfect, and remain on a long time. Desirable for beauty and fragrance.

Her Majesty—Its white flowers are very large, fringed and double. Long stiff stems. Each, 15c.; 2 for 25c.; doz., \$1.00.

Souvenir de Sale—Flowers delicate soft rose pink, as large as a Carnation; of beautiful form, very double, fine for cutting. Each, 15c.; 2 for 25c.; doz., \$1.00. One of each variety for 25 cents.

Platycodon

Grandiflorum.

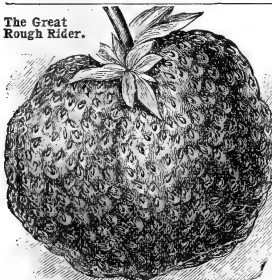
"Chinese Bell-Flower"—Blooms the entire season. The flower is large bell-shaped, of a deep shade of blue. An extremely rapid growing plant, will do well in any ordinary garden soil. Perfectly hardy, making a dense branching bush 2 to 3 feet high. Plants, each, 15c.; 2 for 25c.; 5 for 50c.

Yucca. Adam's Needle—A plant, with long narrow leaves that remain green the entire year; flower stems, 3 to 4 feet high, bearing a large spike of creamy-white bell-shaped flowers. Fine for cemetery, lawns, center plant, etc. Good Roots, each, 20c. Stronger Roots, 35c.



YUCCA.

The Great
Rough Rider.



A ROUGH RIDER STRAWBERRY.

Dip the plants in water as soon as received, and bury the roots in moist, shady ground till you are ready to set them out; neglect for an hour or so is often fatal.

SOME SUPERB NEW STRAWBERRIES.

August Luther—Best real early variety to date, and bound to take the place of Michel's Early, Bedwood and other standard early kinds. Plants vigorous and prolific; berries medium to large, conical, usually with long slender point, bright scarlet color; flesh light red, of good quality; valuable alike for market and home use because of earliness. *Price, by mail, packed, dozen, 25c; 100 for 75c. By express, 100 for 60c; 1000 for \$3.50.*

Senator Dunlap—The best and most reliable growers pronounce this "the greatest all around variety ever introduced," and one that will outclass all the old stand-bys, because it has more to recommend it than any of them. It is of the Warfield type; has a perfect blossom, and able to hold its own under any rough-and-tumble methods of culture. "It is one of the toughest and hardest we ever knew; foliage very dark green. Plants produced in great abundance. So far there has been no sign of rust. The plant is wonderfully productive, even in a matted row, and generally brings every berry to maturity. The berry resembles the Warfield in size and color; ripens at the same time, but is sweeter and a better keeper, and remains in bearing until late. It is most beautiful in form and color; has a slight neck; is easily picked and handled. We do not hesitate to give this prime favorite our personal endorsement. *Price, by mail, postpaid, doz., 30c; 100 for 80c. By express, 100 for 60c; 1000 for \$3.50.*

Rough Rider—S-Originated in New York State. The introducer claims the following points of superiority: Perfect blossom, very productive, extremely vigorous, very large and attractive, the finest, the very latest, the best keeper, the finest flavor; is at highest price. Berries very large, irregular in shape, dark colored as Gandy. Promises to take its place as the very best late market variety. Plants of this excellent berry were sold last season at \$20.00 and \$25.00 per 1000. Our price for **Strictly Reliable Plants** now is as follows: *By mail, postpaid doz., 30c; 25 for 50c; 100 for \$1.00. By express, 100 for 75c; 500 for \$2.50; 1000 for \$4.75.*

Raspberries.

Munger. (Black Cap)—Single specimens measure 1 inch in diameter. Brings the highest market price. Resembles Gregg, better flavored, excels in size, ripens 5 to 8 days later; extra fine for canning and evaporating; withstands drouth and hot sun. *Postpaid—10c each; 4 for 25c; doz., 60c. By Express, (not paid), 25 for 50c; 100, \$1.50.*

EUREKA—The best early black cap, very productive, fruit large and firm; quality the best. *Postpaid, each, 10c; 4 for 25c; doz., 50c; 100 for \$1.50. By Express—100 for \$1.00.*

GREGG—The best of the late black caps; fruits very fine and very large. Leading market sort all over the country. *Postpaid, each, 10c; 4 for 25c; doz., 50c; 100 for \$1.40. By Express, not paid, 100 for \$1.00.*

COLUMBIAN (Purple Cap)—A remarkably fine, large, deep purplish-red berry of high flavor; perfectly hard; enormously productive; grand berry for table and canning. *Postpaid—10c each; doz., 35c; 100 for \$1.50. By Express, not paid, 100 for \$1.25.*

GOLDEN QUEEN—Handsome golden-yellow berry; finest flavor; very productive. *Postpaid—10c each; 4 for 30c; doz., 50c; 100 for \$1.50. By Express, not paid, 100 for \$1.25.*

JAPANESE WINEBERRY—Deep red, glossy, borne in large clusters; esteemed for canning, preserves, jellies, etc. *Postpaid—10c each; 3 for 20c; 6 for 35c; doz., 60c; 100, \$2.00. By Express, not paid, 100, \$1.50.*

Currants.

The plants of this fruit should be set 4 feet apart in good rich soil. Cultivate well.

VERSAILLES—An old standard; very large red, of excellent quality.

VICTORIA—Large, bright red; bunches long; very productive.

WHITE GRAPE—The best white; large, of excellent quality.

PORTER STAR—Very hardy; early; abundant fruiter; strong grower.

RED DUTCH—Profuse bearer; very strong grower.

Prices, One Year Plants—Postpaid, 10c each; 3 for 20c; doz., 75c; 25 for \$1.25; 50 for \$2.25. By Express, not paid, 25 for \$1.00; 50 for \$1.75; 100 for \$3.00. Two Year Plants—25 for \$1.25; 50, \$2.25; 100, \$4.00. Two year plants are too large to go by mail.

THREE GRAND NEW STRAWBERRIES OFFERED IN NOVELTY PAGES.

Small Fruits.

Special Prices for Larger Quantities than here quoted. Write us for prices, stating about what is wanted in kind and quantity.

Price of Plants. less than 6 of any one kind furnished at dozen rates, 50 of any one kind at 100 rates, or 500 of any one kind at the 1000 rates, unless otherwise quoted.

PLANTS BY MAIL.—Plants are packed with Spaghnum Moss and oiled manilla paper, so they will go safely to any part of the United States.

ERRORS. with our system, rarely occur; when they do, we gladly rectify them, if notified at once.

GUARANTEE.—The plants being propagated in special beds, and labeled when taken up, it seems impossible to make a mistake, but if one does occur we are not to be held responsible for any damage beyond the amount received for the plants.

RESULTS.—We have no control over plants after their delivery, in good shape, for transportation; hence, we cannot guarantee any results whatever, but our responsibility ceases when delivered to Express Company's Agent for shipment.

Strawberries.

Plant in March, April or May, on good ground deeply worked and well manured. Set in rows 3½ feet apart, 15 inches in rows for field culture; 15 inches each way for garden. Cultivate clean; mulch late in the fall and uncover early in spring. Remove mulch after fruiting and spade in a light dressing of manure.

Varieties marked (P) have imperfect flowers; they will not produce well unless every 4th or 5th row is a perfect flowering variety. Those marked (S) are perfect flowering. When planted as above the imperfect (P) flowering sorts are the most prolific. **No Plants Shipped by Freight.**

STANDARD AND RELIABLE VARIETIES.

JOHNSON'S EARLY—S—A decidedly good berry; fruit of good size for a very early berry; bright red color, and fair quality; being extensively planted for the early market.

EXCELSIOR—S—An abundant plant; maker; fruit good size, roundish heart-shape, and very uniform. Color is a dark red throughout; quite firm, and productive. *Early.*

NICK OMMER—S—A very large, handsome, showy berry of extra high quality when grown on good soil and given high cultivation. Medium to late.

SAMPLE—S—Berries large, round, very dark rich crimson; flesh firm, dark; c' and juicy, of splendid quality; productiveness, fine form, handsome appearance and high quality makes it one of the best.

BRADYWINE—S—Extra large, handsome, firm and solid, of superior quality, and one of the best canning sorts on account of its firmness and deep color. *Medium late*, and holds almost as late as Gandy.

WM. BELT—S—Mid-season. A giant in size, very productive, brilliant red, quality extra fine; good shipper.

GANDY—S—Standard late variety. Large, handsome, bright crimson, very uniform in shape; firm; splendid shipper; vigorous and healthy.

HAVERLAND—P—A grand market berry; should be planted with Clyde or some other good pollinizer. Immensely productive; its scarlet fruit is large, cone-shaped. *Early to late.*

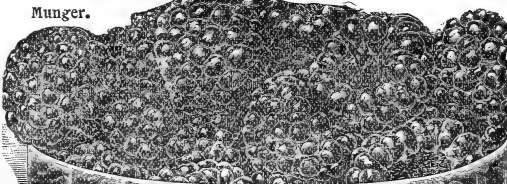
CLYDE—S—Gives entire satisfaction in all parts of the country; perfectly healthy; berries keep up in size, are firm, and of uniform conical shape; a first-class pollinizer for Haverland. *Medium early.*

Strawberry Plant Prices. All varieties, except otherwise quoted, by mail, postpaid, Doz., 25c.; 50 for 40c.; 100 for 75c. By Express, not prepaid—100 for 50c.; 1000 for \$3.00. (50 of one variety, one of the 100 rates; 500 of any 100 rates; 500 of any 1000 rates.)

We can usually furnish CHOICE PLANTS of many other Leading Strawberry varieties, and shall be pleased to quote on application. SPECIAL PRICES to buyers of several thousand of above Strawberry varieties. So we can make very good prices.

NO PLANTS WILL BE SENT BY FREIGHT.

Munger.



CUTBERT RED—The leading red market berry; productive; large size; quality good. Remarkably hardy. *Postpaid—10c each; 3 for 20c.; 1/2 doz., 35c; 100 for \$1.25. By Express, not paid, 100 for 80c.*

LOUDON—Finest new red; ripens early; holds out very late; productive; large; superior quality; beautiful crimson. *Postpaid, 10c each; doz., 40c. By Express, not paid, 25 for 50c.; 50 for 75c; 100 for \$1.25.*

MILLER RED—Very early. Berries large and very firm. *Postpaid, 10c each; doz., 35c; 100 for \$1.00. By Express, not paid, 100 for 75c.*

PRICES FOR LARGER QUANTITIES ON APPLICATION.

Gooseberries.

Plant in good rich soil in rows 5 feet apart by 3 feet in the rows.

The **New Josselyn** Gooseberry has no rival, and is the most magnificent berry ever introduced. Thrifty grower, free from mildew; hardy; productive; large ruby-red berries. *Postpaid, Each, 15c; 4 for 60c; doz., \$1.25; 25 for \$2.25. By Express, 25 for \$2.00; 100 for \$7.50.*

DOWNING—Enormously productive; large, pale green; splendid quality. *Postpaid—Each, 10c; 3 for 25c; doz., 55c; 25 for \$1.50. By Express, 25 for \$1.00; 100 for \$3.25.*

Blackberries.

NEW WHITE ICEBERG—As productive, hardy, abundant, handsome and delicious as black ones. Canes loaded with delicious snowy-white berries.

SNYDER—Hardy. More largely planted than any other, both for market and home use; no hard sour core; few thorns.

EARLY HARVEST—The best early; fruit black; productive.

ELDORADO—Enormous yielder; jet black; large; large clusters.

OHMER—The best late; large; ripens after Raspberries; firm; sweet.

DEWBERRY, LUCRETIA—Ripens early; hardy; remarkably productive; berries $1\frac{1}{2}$ inches long, 1 inch in diameter; sweet; luscious.

Blackberry Prices. By mail, postpaid, 10c. each; 3 for 25c.; doz. \$2.00. Ammonia, 3.50 to 5.50 per cent.; Total Phosphoric Acid, 22 to 25 per cent.; Total Bone Phosphate, 45 to 54 per cent. Our Raw Bone Meal is made from hard bones, is evenly ground and very white. Nothing finer can be made. **Price**—10 lbs., 40c.; 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$2.00; 200 lbs., \$3.50.

SPECIAL PRICES ON LARGER LOTS.

FERTILIZER, PLANT FOODS, ETC.

As there is now very strong competition in fertilizers, we prefer to make Special Prices to parties wanting in TON OR CAR LOTS. Fertilizers F. O. B. Columbus.

RAW BONE MEAL—Guaranteed Analysis: Nitrogen, 3.70 to 4.53 per cent.; Ammonia, 3.50 to 5.50 per cent.; Total Phosphoric Acid, 22 to 25 per cent.; Total Bone Phosphate, 45 to 54 per cent. Our Raw Bone Meal is made from hard bones, is evenly ground and very white. Nothing finer can be made. **Price**—10 lbs., 40c.; 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$2.00; 200 lbs., \$3.50.

BONE MEAL—Guaranteed Analysis: Nitrogen, 2.47 to 3.29 per cent.; Ammonia, 3 to 4 per cent.; Total Phosphoric Acid, 24 to 28 per cent.; Available Phosphoric Acid in Reverted Form, 10 to 14 per cent.; Total Bone Phosphate, 32 to 61 per cent. Made from pure, finely-ground bones, steamed in vats. It enriches and builds up the soil, and is largely used on winter wheat and cereals of all kinds and also on lawns. **Price**—10 lbs., 40c.; 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$2.00; 200 lbs., \$3.50.

FRUIT AND ROOT CROPS SPECIAL—Guaranteed Analysis: Nitrogen, 1.65 to 2.46 per cent.; Ammonia, 2 to 3 per cent.; Total Phosphoric Acid, 10 to 12 per cent.; Available Phosphoric Acid, 8 to 10 per cent.; Potash, K, O, 5 to 6 per cent. For fruit trees, small fruit, sugar beets, potatoes, etc., quick and lasting. **Price**—10 lbs., 40c.; 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$2.00; 200 lbs., \$3.50.

A SOLUBLE—Guaranteed Analysis: Nitrogen, 2.83 to 3.70 per cent.; Ammonia, 3.50 to 4.50 per cent.; Total Phosphoric Acid, 10 to 12 per cent.; Equal Bone Phosphate, 21 to 26 per cent.; Available Phosphoric Acid, 8 to 10 per cent.; Water Soluble, 10 to 12 per cent.; Potash, K, O, 4 to 5 per cent. Quick, strong fertilizer. Adapted for tobacco, hops, potatoes, flax, sugar beets, cabbage, cauliflower, celery, fruits, etc. Very finely ground and dry. **Price**—10 lbs., 40c.; 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$2.00; 200 lbs., \$3.50.

LARVACE AND LARVACE—Guaranteed Analysis: Nitrogen, 1.65 to 2.46 per cent.; Ammonia, 2 to 3 per cent.; Total Phosphoric Acid, 10 to 12 per cent.; Available Phosphoric Acid, 8 to 10 per cent.; Potash, K, O, 4 to 5 per cent. Quick, strong fertilizer. Adapted for tobacco, hops, potatoes, flax, sugar beets, cabbage, cauliflower, celery, fruits, etc. Very finely ground and dry. **Price**—10 lbs., 40c.; 25 lbs., 75c.; 50 lbs., \$1.25; 100 lbs., \$2.00; 200 lbs., \$3.50.

Write for Prices on Murate and Supphate of Potash, "Kainit," etc.

CANADA HARD-WOOD ASHES—Splendid as a lawn dressing. Should be applied late in fall or early in spring, so that the rains and snows may leach the ashes and carry them into the soil. Our ashes are screened and are in proper condition for immediate use. Apply at the rate of 75 lbs. to 1000 square feet. 50 lbs., 75c.; per bbl., of 200 lbs., \$1.75; ton, \$15.00.



Sheep Manure. (Pulverized)—This is a pure natural manure and the most nutritious food for plants. It is mixed with manures to mix with soil for potting plants—each portion adds to six parts soil. For vegetable garden, placed directly in hills or drills. It promotes a rapid, steady growth until maturity. As a lawn top-dressing it is unequalled. 5-lb. package, 25c.; 10 lb., 40c.; 50 lbs., \$1.25; 100 lbs., \$2.00.

Walker's Excelsior Plant Food.

Odorless and perfectly soluble for house plants. A pound box sufficient for 25 ordinary sized plants for one year. 1 lb. 25c.; 5 lbs., (by mail, 40c.); doz., \$2.50; 1/2 lb., 25c.

SPHAGNUM

Fine, clean Sphagnum for florists' use. Give it a trial. Bales weigh about 10 pounds. Per bale, \$1.25.

ANT DESTROYER—A non-poisonous powder which, when sprinkled around the haunts of ants, will destroy or drive them away from lawns, trees, plants, houses or other affected localities. Price, 1/4 lb. can, 25c.; 1 lb. can, 75c.

CULPHER—Price, 10c. per lb.; 10 lbs., 60c.; 25 lbs., or over at 5c. per lb. by freight or express.

BORDEAUX MIXTURE—Dry. An indispensable Fungicide, curing and preventing black rot, mildew, blight, rust scab, and all fungoid diseases on fruit and plants. 1 lb., 25c.; 5 lbs., 65c.; 10 lb., 90 lbs. can, \$5.50; 100 lb. can, \$10.00.

TABACCO DUST—Very effective, being leaves, not ground stems. Used on cabbage and in vegetable hot houses. 1 lb., 10c.; by mail, postpaid, 30c. By express, 10 lbs., 50c.; 25 lbs., \$1.00; 100 lbs., \$3.25.

THE BEST Grapes.

MOORE'S DIAMOND—The best white grape in existence. Early. **CONCORD**—Universally popular; very productive; very early. **DELaware**—Bunch small, compact; light red; sweet; finest flavor. **BRIGHTON**—Best red; very early; large bunches; rich as Delaware. **WORDEN**—A very popular black grape; ripens earlier than Concord.

Prices of above Grapes—Postpaid, each 10c.; 10 for 75c. By Express, not paid. **One Year Vines**, doz., \$25.00; 25 for \$1.50; 50 for \$2.50; 100 for \$4.75. **Two Year Vines**, doz., \$1.00; 25 for \$1.75; 50 for \$3.25; 100 for \$6.00. **SPECIAL PRICE FOR CONCORDS**—One Year Vines, 50 for \$2.00; 100 for \$3.75. **Two Year Vines**, 50 for \$3.00; 100 for \$5.00.

Campbell's Early. A Grape of Special Merit, with very strong, vigorous, hardy vine and thick, healthy mildew resisting foliage; abundant clusters of very large, compact and handsome bunches, of a deep rich red and sweet; very early. **Choice One Year Vines**, postpaid, each, 20c.; 2 for \$1.00; doz., \$1.75. **Two Year Vines**, By Mail, each, 30c.; 2 for \$2.00; 5 for \$1.00; doz., \$2.00. By Express—One Year Vines—25 for \$2.50; 100 for \$8.00. **Two Year Vines**—25 for \$3.00; 100 for \$11.00.

INSECTICIDES, FUNGICIDES, &c.

Slug Shot.

Non-poisonous; no danger need be apprehended by the person applying it. It does not render injurious vegetables or fruit, and is safe for use, which it is applied, and is probably the best insect destroyer ever offered for the destruction of potato bugs and all worms and insects that chew. It comes ready to apply, and is simply dusted lightly on. For further information, send for "Fighting Insects in the Garden." Sent free. **Prices**—Barrels, holding 235 lbs. net, \$9.00; keg of 125 lbs., \$4.55; 50 lbs., \$2.25; 10 lbs., 50c.; 5 lbs., 35c. By mail, postpaid, 1b., 30c.; 3/4 lb., \$1.00.

HAMMOND'S GRAPE DUST—For the prevention and destruction of mildew on plants. Price—5 lb. package, 35c.; kegs of 100 lbs., \$5.00; By mail, postpaid, 30c. per lb.

HAMMOND'S COPPER SOLUTION—A Concentrated Liquid Fungicide—Prepared ready for immediate use on trees, vines or vegetables affected with rot, blight or scab. This solution can be handled safely by any ordinarily careful person. Put up in quart cans which may be sent by express or freight at purchaser's expense. Per can, 60c. **Dusters for Slug Shot or other Powders**—1/2 gal. size, 30c.; gal. size, 50c.

TABACCO TEES—For fumigating plants infested with g. fly. 1 lb., 15c.; 5 lb., \$1.00.

ROSE BUG AND CATERPILLAR TOBACCO—One of the most effective articles for the destruction of all insects and scale on plants; a pure concentrated extract of tobacco diluted from 30 to 150 parts of water. Full instructions for the various methods of applying, given in "Rose Bugs and Caterpillars" sent on application. Price—Pint can, 30c.; quart can, 55c.; gallon, \$1.50; 5 gallon can, \$5.50. Must go by freight or express at buyer's expense.

TABACCO AND SULPHUR—Destroys rose bugs, lice, cutworms, vine bugs, tomato worms, currant worms, cabbage lice and parasites of all descriptions. Should be applied when the foliage is wet. Also a most complete fertilizer for plants and vines. Easy to apply, and will not burn or injure the plants. Makes healthy, vigorous growth. Earthworms will not live where it is used. 1/4 lb. tin, 25c.; 1 lb., 45c.; 5 lb., \$1.00. If to go by mail, 1 lb. must be added.

PYRETHRUM, PERSIAN INSECT POWDER, or BUHACH—Very destructive to all kinds of insects, such as roaches, ants, fleas and other insects on plants and animals. A very little will do the desired work. 1 lb., 15c.; 5 lb., 50c.; 20 lb., 1.45c.; 50 lb., 2.10c.; 100 lb., 3.15c.

WHALE OIL SOAP—Makes an excellent wash for trees and plants where insects and eggs affect the bark, and for smearing on the trunks of trees to prevent worms from crawling up. **Price**—25c. per lb.; 2 lb., 50c.; 10 lb., 1.00c.; 100 lb., 10.00c.

FIR TREE OIL SOAP—A most excellent insecticide for greenhouses and house plants. 1/4 lb. tin, 25c.; (by mail, 30c.); 2 lbs., 75c. (by mail, \$1.00); 5 lbs., \$1.75; 10 lbs., \$3.25; 20 lbs., \$6.00, by express freight.

PARIS GREEN—1 lb., 15c.; 1 lb., 25c.; 5 lbs., \$1.00.

HELLEBORE, POWDERED WHITE—For the destruction of slugs, worms, caterpillars, etc. Less poisonous than Paris Green and London Purple, and safer to use on fruit and vegetables, are nearly ripe. 1 lb., 15c.; 1 lb., 20c. By mail, 16c. per pound extra.

SERGEANT'S DOG REMEDIES.

Condition Pills, postpaid, large box, \$1.00; small box, 50c.

Sure Shot, (by Express only), 50c.

Manure Cure, (Express only), 50c.

Soft Carbolic Soap, (by mail, 35c.)

Arsenic and Iron Pills, 50c.

Canker Wash (Express only) 50c.

We are Sole Agents for these excellent Remedies.

GLOVER'S DOG SOAP—25c. per cake; by mail, 30c.

Bandage on Dogs—For their Ailments, How to Treat them, FREE.

Medicines and Food for Dogs, Birds, etc.—Write for what you want.



POULTRY SUPPLIES.

Send for
Complete Price List.

Mica-Crystal Grit. Mica-Crystal Grit is made from a composed partly of quartz, and partly of mica, thus forming what is termed a flaky rock, which, when subjected to pressure, will scale or flake, in the gizzard, thus constantly resharpening themselves until they are entirely used up. It is absolutely necessary to the health of fowls that grit be supplied at all times; and this is especially true where they are confined or when snow is on the ground. We supply it in two sizes, for chicks or grown fowls, at same range of prices. Bags (100 lbs.) 75c.; 50 lbs., 50c.; 25 lbs., 35c.; 15 lbs., 25c.; 500 lbs., \$3.50, by Express or Freight.

Special Prices for larger quantities on request.

Crushed Oyster Shells. The most frequent cause of hens not laying is the absence in the food of carbonate of lime. As crushed oyster shell is practically pure carbonate of lime, it supplies, when fed to poultry, this most essential element, and greatly aids in the formation of the egg. Their use prevents cholera, keeps poultry healthy, and prevents soft shell eggs. Keep a trough full of it always before your fowls and let them help themselves. Price—Bags, (100 lbs.), 75c.; 50 lbs., 50c.; 25 lbs., 35c.; 15 lbs., 25c.; 500 lbs. for \$3.25, by Express or Freight.

Special Prices for larger quantities on request.

Columbus Poultry Food. The profits in Poultry can be doubled by the use of Columbus Poultry Food, as it purifies the blood, keeps the bowels regular, and the digestive organs in good condition. To fatten chickens the fowls must be healthy. Put up in 25c., 60c., \$1.25, \$2.50 size packages. By Freight or Express at buyer's expense.

Rust's Egg Producer greatly increases egg-production and makes poultry keeping the most profitable of rural pursuits. Keeps fowls healthy, and shortens moulting.



three sizes must be sent by express or freight and are the cheapest to use.

CURVED and CONCAVE Seed Potato Knife.

Everybody is well pleased with this knife. It is thin, and will cut one, two or three eyes in a piece easier, better and faster than in any other way. Give it a trial, and if you are not satisfied that it will pay you to cut your potatoes with it, return it and your money will be refunded.



Postpaid, 30 cents.

6 for \$1.50.

Aspinwall 4 Row Potato Sprayer.

Price, \$40.00.



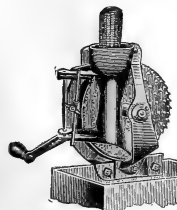
The Columbus Corn Sheller.

Anyone, with a little practice can shell a bushel of corn in 5 minutes.

A Well Made Machine. Not Easy to Get Out of Order.

The price is made very low to place it within the reach of everyone. We know of no Sheller, at the price, we would rather have. It is THE BEST THING FOR POULTRY BREEDERS.

\$1.00, by Express or Freight Only.



Read the following statement from a Prominent Franklin County, Ohio, Potato Grower.

"I would not do without an Aspinwall Potato Planter, or Cutter, even if my acreage was reduced to one acre. The advantages gained pay for them in one season."—V. A. P. WARE.

RUST'S HAVEN'S CLIMAX CONDITION POWDER is very much more than a condition powder. It is the only known cure for Fowl-Cholera and Capes; it is just what every owner of poultry needs to save his fowls and keep them healthy. It is invaluable to raisers of Turkeys. And it has saved many Hogs, Horses and Cows. Prices: 13 oz. box, 25c.; 32 oz. box, 50c.; 5 lb. box, \$1.00. It to be sent by mail add one cent per ounce to pay postage.

RUST'S HAVEN'S ROUP PILLS for Roup, Catarrh, Colds, Pigeon Diseases, etc. THEY DO CURE. Box of 48 Pills, 25c. Mailed on receipt of Price.

LAMBERT'S DEATH TO LICE—Sure death to chicken lice. Price —15-oz. box, 25c. If sent by mail add 1 cent per ounce to pay postage.

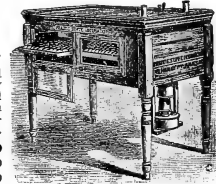
COARSE GROUND BONE—About the size of wheat or cracked corn, and should be kept within access of poultry. 25 lbs., \$1.00; 100 lbs., \$2.50; 200 lbs., \$4.75.

Prairie State Incubators.

All metal parts are of brass and galvanized iron, and thoroughly well made throughout. As good as any for the price, and much better than many. Large descriptive price list sent on application.

Baby No. 1—50 egg size.....\$ 6.00
Baby No. 2—100 egg size..... 10.00
No. 3B—300 egg size.....25.00

Egg Tester free with Incubator.



PRAIRIE STATE INCUBATOR.

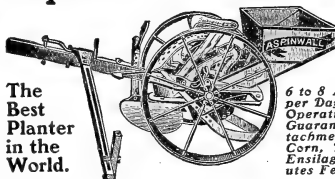
Style D Prairie State Brooder. Indoor.

This Brooder has been upon the market for several years, and has given good satisfaction.

Style D Brooder, No. 1—capacity, 80 chicks.....\$7.00
Style D Brooder, No. 2—capacity, 100 to 125 chicks..... 9.00

Aspinwall Potato Cutter. Price, \$6.00.

Aspinwall Potato Planter.



Great Labor Saver.

The Best Planter in the World.

6 to 8 Acres Planted per Day in One # Operation Absolutely Guaranteed. Has attachment for planting Corn, Beans and # Ensilage and Distributes Fertilizer.

We have sold this Planter for 13 years and have never sold one but what the customer thought it one of the best investments he ever made.

With Disc Covers. This machine is intended for growers who prefer to ridge up high and plant deep.

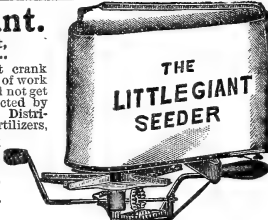
We are Aspinwall Potato Planters & selling LOWER THAN EVER this season. Don't fail to write us if in need of a Planter. We can interest you.

Little Giant.

Strongest, Lightest, Easiest Running.....

The best and cheapest crank seeder made in the quality of work done and durability. Will not get out of order nor be affected by dampness of the weather. Distributes all kinds of Fertilizers, Land Plaster, Ashes and Seeds. We have sold it for years with good satisfaction. No. 1, (Fiddle-Bow) \$1.50. No. 3, (Crank) \$1.75.

Must go by Freight or Express.



Indiana Seeder.

The only Broadcast Seed Sower that can be changed to suit either the Right or

Left hand. Sows Grain, Grass Seed and Clover.

Price, \$1.75 by Express or Freight.

MYERS LITTLE GIANT BUCKET SPRAY PUMPS.

These Spray Pumps are constructed entirely of brass, a metal that is not affected by the poisonous arsenites used in different formulas for spraying fruit trees, vines and shrubbery. They are so arranged that the labor of pumping is all done on the downward stroke of the piston and nothing on the up. The effect of this operation while pumping is to hold the pump down. The foot rest steadies the pump, holding it in proper position. They are provided with a large air chamber, and have ball valves, so that the nozzle throws a continuous spray. The operator is enabled to keep a constant pressure on the nozzle with very ordinary exertion. Will throw a solid stream 50 feet, and are of unusual value for washing windows and buggies, sprinkling lawns, flowers, etc. For spraying are arranged so as to discharge a fine jet in the bottom of the bucket to keep the solution thoroughly agitated, a feature peculiar to these pumps and a very necessary feature to a spray pump.

With 3 feet Rubber Hose, \$3.00. With 8 foot Iron Extension Rod, \$3.40.

MYERS BARREL SPRAY PUMP. Constructed on the most improved plan. It has patent submerged cylinder, is double acting, has patent expansion plunger bucket, large air chamber to cushion the spray, is provided with two discharge ports, one on each side, of which one or both can be used for spraying. The base is properly shaped to fasten to side or head of barrel, small pins, long handle, and is fitted with Brass Upper and Brass Lined Lower Cylinders with ground Brass Check Valve and Brass Seat. No rubber or leather valves. It is very powerful and easy to operate; will throw an even, mist-like spray, and will throw a solid stream 60 feet from the point of the nozzle. All Barrel Pumps fitted with Agitator, without additional charge.

GARFIELD KNAPSACK SPRAYER.

Made entirely of brass and copper. The tank holds 5 gallons has brass pipe 15 inches long and Combination Vermorel Nozzle attached. Price, \$10.00.

Vermorel Spray Nozzle.

Postpaid, \$1.25.

ECLIPSE BARREL OR TANK SPRAY PUMP.

No. 4 is the smallest orchard pump they make. All working parts are of the best red and seamless brass. Detachable Plunger, "Eclipse" Agitator, 1902 Patent Valves and Cage. Cylinder 1 1/4 inches in diameter, stroke 4 to 5 inches, capacity 60 to 75 gallons per hour, reduced to a fine mist; carries one double Vermorel Nozzle, or two single, large or small opening. Agitator works independent of or in harmony with pump at will of the operator. Fitted for use of barrel.

Price, Pump alone, \$7.50.

OUTFIT B, No. 4—Pump, complete with 6 feet of best 1/2-inch Hose, 6 feet Iron Extension Rod, Leakless Cock and Double Vermorel Nozzle of our new swivel-joint and extra caps for long distance work, \$11.50. With Brass-Lined Bamboo Extension Rod, instead of iron, \$12.25. Brass Air Chamber, making a solid brass pump, \$2.00 extra.

No. 5 Has Cylinder 2 1/4 inches in diameter, Air Chamber 2 1/2 x 30 inches; malleable iron Clinch Plate and Lever; Steel Air Chamber; Brass Base, Cylinder, Valve and Cage, Discharge Tube and Agitator. Capacity, 125 to 150 gallons per hour, intended for 4 feet. Price, Pump alone, \$9.75. **OUTFIT B—With 8 feet Hose, 1 Bamboo Brass-Lined Extension Rod, Leakless Cock and one Double Vermorel Nozzle, \$14.25.**

OUTFIT C, same as B, with the addition of 1 Double Vermorel Nozzle and 1 Connector, making 4 nozzles on one rod, \$15.25. Brass Air Chamber, \$2.50 extra.

ECLIPSE. Nos. 1 and 4.

No. 1 is our very best. All Brass Detachable Discharge Tube; Rotary Air Motion. Made on honor. Will last a life time.

Price, \$1.00. By Mail, \$1.25.

No. 4 All heavy Tin. Rotary Air Motion. Wide Area Funnel. Stationary Brass Discharge Tube. Detail work same as the No. 1. Price, 60 cents. By Mail, 65 cents.

PERFECTION No. 6 Heavy Tin Air Pump. Galvanized Iron Discharge Tubes. Built for business. Price, 75 cts. By Mail, \$1.00.

Mr. M. E. Sweet.—"I never bought anything in my life that pleased me better than the Eclipse Barrel Sprayer. It is a dandy, and is all that is claimed for it."



BARREL PUMP.

No. 302, complete, consisting of Pump, 5 feet of 3/4 inch 3 ply hose, Vermorel Spray Nozzle, Suction Pipe, Strainer and Jet Agitator. Price, \$7.50.

No. 303, complete, consisting of one Pump, Suction Pipe, Strainer and Jet Agitator, 2 leads of 1/2 inch 3 ply Hose 5 feet long, and 2 Vermorel Spray Nozzles. Price, \$8.50. Bordeaux Nozzles, instead of Vermorel, furnished at the same price, if specified.

CYCLONE NOZZLE.

Figs. 550 and 551 are so arranged that the disc or cap as shown can be unscrewed and cleaned out at any time. They are fitted to attach to 1/2 inch pipe or 1/2 inch male end, and can be used with any pipe extension. The spray opening is at the side as per Figure 550, or straight away as Figure 551.

Price, each, 80 cents.



Fig. 550.

PUTTY BULB.

The best appliance for distributing putty. Used by a large number of leading florists, who have proven its merit.

By Mail, 90c Express, 80c.

RUBBER SPRINKLER

No. 1.....90c.
No. 2.....80c.
No. 3.....70c.
If to go by Express or Freight deduct 10 cts. from price.



PUTTY BULB.



RUBBER SPRINKLER.

ANGLE RUBBER SPRINKLER.

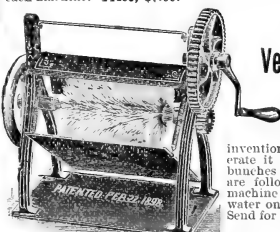
Almost all plant insects pursue their destructive work on the under surface of the leaf, and this Sprinkler is designed for applying water or liquid insecticide on the under side of leaves and foliage. Price, by Mail, \$1.10. By Express, \$1.00.



ANGLE RUBBER SPRINKLER.

CHAMPION DRY POWDER GUN.

A splendid machine for distributing insecticides in a dry form, which is much preferable to applying with water. It is a great time saver. One man can cover one acre in one hour. Full directions accompany each machine. Price, \$7.00.



Champion Vegetable Washer.

The Champion Vegetable Washer, for washing bunched vegetables. A very simple and effective invention. Any child can operate it and wash 250 to 350 bunches per hour if directions are followed. Those using this machine need not get a drop of water on their clothes or hands. Send for special circular. Price, \$7.50.

AT PRICES GIVEN, TOOLS, ETC., MUST GO BY FREIGHT OR EXPRESS, AT BUYER'S EXPENSE, Unless Otherwise Noted.

BUSHEL BASKETS—Standard bushel size, strong and durable. Dozen, \$1.50; each 20c. Must be sent by freight.
GARDEN LINES—100 feet Braided Linen, 40c. Cotton, 25c.
TURF EDGERS—For trimming edgers of walks—75c.
GRASS HOOKS—30c., by express only.

FLOWER POTS. MUST GO BY FREIGHT.

STANDARD SIZE.	Per 1000.	Per 1000.
1 1/2 in., doz.	\$ 10	\$ 45
2 in., " "	10	50
2 1/2 in., " "	15	55
3 in., " "	25	70
3 1/2 in., " "	30	90
4 in., " "	35	1 00
5 in., " "	45	1 75
6 in., " "	60	2 50
7 in., " "	75	3 50
8 in., " "	1 00	4 00
9 in., " "	1 25	8 00
10 in., each,	25	11 00
12 in., " "	50	22 50

Labels.	Printed Pot Labels.	Best made.	Put up in packages of 1,000 each.
3 inch.....	per 1,000 \$ 45	5 inch.....	per 1,000 \$ 80
3 1/2 ".....	" 53	6 ".....	" 1 00
4 ".....	" 67	8 ".....	" 2 50
4 1/2 ".....	" 67	10 ".....	" 3 50

VAN REYPER'S PERFECT GLAZIER'S POINTS.

These are made of steel wire and galvanized, having double points and lap over the glass in such a manner as to positively keep it from sliding. They may be used on either side of the sash bar, thus preventing the annoyance of rights and lefts.
 Per box of 1,000, 60c. Lots of 5,000 and over, per box, 55c. Pinchers for driving, 50c. If wanted by mail send 14c. per box of Pinchers or per pair of Pinchers, extra for postage.

EUREKA FUMIGATORS. Made of Best Galvanized Iron.
 For house 10x20 feet\$1.25
 For house 12x40 feet1 50
 For house 15x100 feet.....\$2.00
 For house 20x100 feet.....3 50

PRUNING SHEARS. The Best Made.

Very strong. Best steel blades and an excellent spring.
 Two Sizes—Price, 90c. and \$1.00.
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WATER'S TREE PRUNER.

4 foot.....\$ 75
 6 foot.....85
 8 foot.....1 00
 12 foot.....1 25
HEDGE SHEARS—Three sizes—\$1.50, \$1.75, and \$2.00.

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Pruning—No. 2269, by mail, 85c.; by express, 90c.
PICKING SCISSORS—No. 133, by mail, 80c.; by express, 75c.
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BELLOWS—For dusting plants with sulphur or like material. Two sizes—Each, \$1.00 and \$1.25.

CLIPPER GRAIN AND SEED CLEANER.

We have used and sold the Clipper almost constantly for 15 years and pronounce it the best, strongest and most economical mill made up to date, and yet sells at the same price of any ordinary mill. No. 1, for general use, has 8 sieves, (7 zinc), cleans Grain and seeds of all kinds—\$20.00.
 Prices for larger sizes and Special Purposes Clipper made on application.

RAFFIA, IMPORTED. BEST GRADE. Gives better satisfaction than anything else for tying Plants, Asparagus bunches, etc. Light, neat, strong, durable and very cheap. 1 lb., 25c.; 10 lbs. at 20c.
White Cotton Twine. For tying Herbs, Radishes, Beets, Celery, Onions, Salsify, etc. Pound, 25c.
JUTE. For tying Vegetable, etc. Pound, 20c. (Twine, Jute and Raffia sent by mail, add 15c. per pound postage.) Prices on twine subject to market changes.



HAZELTINE'S HAND WEEDER.

Hazeltine's Hand Weeder.
 In general use. Blade Solid Steel, tempered, 7/8-inch wide and 3/8-inch thick, sharpened on all edges.
 Postpaid, 25 cents.
 By Express, 20 cents.

EXCELSIOR WEEDER—Very useful for weeding seed beds, stirring soil in hot beds, cold frames, etc. Postpaid, 15c.; by express, 10c.
LANG'S WEEDER.
 Each\$ 20
 Dozen2 25

THE NEW CHRISTY GARDEN WEEDER.

Made by the Christy Knife Co. This all steel Weeder has the famous Scalloped Cutting Edge of the Christy Knife, and will be found a No. 1 tool. Price, 25 cents, postpaid. By Express, 20 cents.

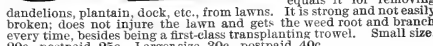
GADDEN DIBBLE.

Postpaid, each, 50c. By express, 35c.; 3 for \$1.00.



TROWELS, Ordinary, (postage 5c. extra), 5-in., 15c.; 6-in., 20c.; 7-in., 25c.
TROWELS, Solid Steel, (postage, 10c. extra), 6-in., 40c.; 7-in., 45c.

Cleaves' Angle Trowels. Bright steel. No tool equals it for removing dandelions, plantain, dock, etc., from lawns. It is strong and not easily broken; does not injure the lawn and gets the weed root and branch every time, besides being a first-class transplanting trowel. Small size, 20c., postpaid, 25c. Larger size, 30c., postpaid, 40c.



PLANT BED CLOTH.

A protecting Cloth of Water-Proof Fiber; an excellent substitute for glass in forwarding all kinds of plants in the early spring, safer, as it protects at night, and the plants will not burn if the sash is left on in hot weather. Being light and portable it can be sent into sections where it would be difficult to get sash. We sell thousands of yards annually, and customers are well-pleased with it. All pieces are a yard wide and contain from 40 to 60 yards each.
PRICES—Heavy Grade, per yard, 12c.; by the piece, per yard 10c. Medium Grade—best for general purposes—per yard, 10c.; by the piece, per yard, 8c. Light Grade, per yard, 5c.; by the piece, per yard, 4c.
Mail Prices—Customers at a distance who wish to try a few yards can have it sent by mail, postpaid, as follows: Light, 8c. per yard; medium, 15c. per yard; heavy, 21c. per yard. Samples free on application.

HOT BED SASH.

BEST CYPRESS—3 1/2 feet x 6 feet, unglazed, for 8 x 10 glass, each, 90c.; dozen, 10.00.

"Out O' Sight" Mole Trap.

Claimed to be the best Mole Trap ever offered, and only has to be tried to be appreciated. Can be used in hot bed underneath. The secret of mole catching is a good trap, and to know their habits. Full directions sent with each trap. By mail, \$1.25; by express, \$1.00.

Mr. Joseph Schneider.—"Your 'Out O' Sight' mole trap is, in truth, the best trap I have ever seen. I have caught nine moles the first two weeks. Enclosed please find a money order for two more traps."

DEAN'S MOLE TRAP.

Easily adjusted and never fails to get the mole when properly placed.

OUT O' SIGHT MOLE TRAP. \$1.25.

HALE'S MOLE TRAP.

Well known standard trap. \$2.00.

THERMOMETERS—Hot bed or Mushroom, 75c.; Greenhouse, 25c.; Incubator, 75c. Cannot be mailed.



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A Manual of the Cultivation of Vegetables Under Glass for market. Covers heating, forcing, watering, and the use of the glass. Gives them, with illustrated chapters on their construction and management. Gives complete directions for watering, ventilating, shading and piping houses; for the control of insects and fungous diseases, the making of forcing-houses, soils, etc.; catalogues the instructions how to force Lettuce, Cauliflowers, Radish, Asparagus, Rhubarb, Pea, Salad Plants and Mint, Root Crops, Pepino, Cucumber, Musk-melon, Pepper, Beans, Egg Plant and others. Should be in the hands of every person who grows under glass. 266 Pages. 88 Illustrations. \$1.00.

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GINSENG. A complete working treatise for the grower. It discusses in a practical way how to begin with either seed or roots, soil, climate and location, preparation, planting and main beds, artificial propagation, manures, enemies, selection for market and for improvement, preparation for sale, and the profits that may be expected. Should be in the hands of all who expect to grow this drug to supply the export trade. Cloth. 35 cents.

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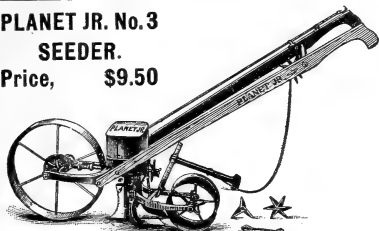
Planet Jr. Tools for 1902.

Space will not permit showing and describing here all of the PLANET JR. TOOLS, but we will send a beautifully illustrated catalogue FREE to any who desire it. PLANET JR. goods are standard machines—different from all others. Improvements have been made for 1902.

PLANET JR. No. 3

SEEDER.

Price, \$9.50



Planet Jr. No. 3 Seeder. Planting in rows and thinning afterward is a terrible time-waste. The No. 3 Seeder puts the seed right on the spot where the hill is wanted. Plants 4, 6, 8, 12 or 24 inches apart, or in a continuous row, as desired. Changed in a moment. Holds 3 quarts. **Price, \$9.50.**

"Planet Jr." No. 4 Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator and Plow.

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As a Drill Only, \$7.50.

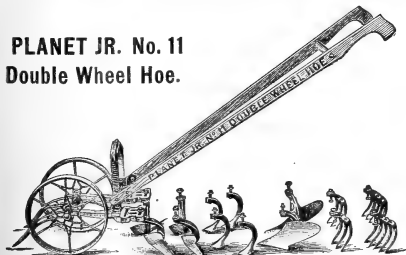


Planet Jr. No. 4 Combined Drill and Single Wheel Hoe.

The Drill is the same style as No. 3 Seeder, but smaller. By moving only one bolt the drill is taken off and the tool frame attached, making it one of the best of the Planet Jr. Single Wheel Hoes. This gives you the "whole business" in one tool. **Price, \$9.50.**

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Planet Jr. Double Wheel Hoe. This Wheel Hoe is a famous labor saver. It will do a variety of work that is almost incredible, and it is changed and adjusted with marvelous ease and quickness. The wheel can be set to four different widths and the frame at three heights. The tools are changed without removing a single nut.

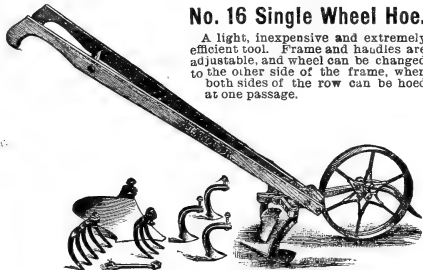
No. 11 DOUBLE WHEEL HOE, with 8 pairs of tools as shown in cut, **\$8.00.**

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No. 13, DOUBLE WHEEL HOE, with Hoes only, **4.00.**

No. 16 Single Wheel Hoe.

A light, inexpensive and extremely efficient tool. Frame and handles are adjustable, and wheel can be changed to the other side of the frame, when both sides of the row can be hoed at one passage.

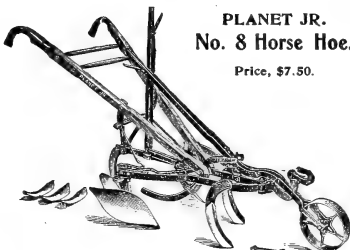


No. 16, SINGLE WHEEL HOE, with Plow, two Hoes, three Cultivator Teeth, two Rakes and Leaf Lifter, **\$5.00.**

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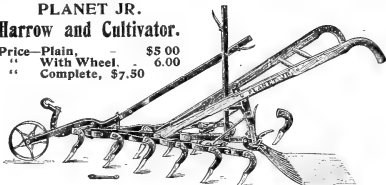
Price, \$7.50.



Planet Jr. No. 8 Horse Hoe. Will do more kinds of work than any other horse hoe. New Depth Regulator and Expander. Hollow Steel Standards. Strong and Light. No gardener can afford to be without one of the Planet Jr. Horse Hoes. **Price, \$7.50.**

PLANET JR. Harrow and Cultivator.

Price—Plain, \$5.00
" With Wheel, 6.00
" Complete, \$7.50



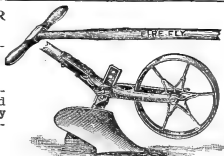
This Harrow has a high frame contracting to 12 inches and expanding to 32 inches in width. Hand levers regulate both width and depth while in motion. The chisel-shaped teeth cut an inch wide and cultivate deep without throwing earth on the plants. Has Foot Lever Pulverizer. A capital Strawberry Cultivator, turning the runners without injury. Strawberry Runner Cutter Attachment, extra, \$1.50

**PLANET JR. FERTILIZER
AND PEA DRILL. \$15.50.**

"FIRE FLY" PLOW.

Invaluable for use in small gardens. Moldboard of tempered and polished steel. The depth is easily and quickly changed. Very useful to plow up in chicken yard.

Price, \$2.00.



OUR NEW TOMATO FOR 1902 *Livingston's Dwarf Stone*

A Brand New Dwarf.

Extra Large for a Dwarf.

Season of 1903 we will offer a

**NEW
DWARF
PURPLE
TOMATO**

equal in size, etc., to the Dwarf Stone.

As is well known, we have made the successful improvement of the tomato a special study for more than thirty years past. Within that time, including the introduction of our MAGNUS in 1902, we had introduced 16 varieties, each one having some distinct character peculiar to itself and suitable for supplying some special demand. Last summer (1901) we added 6 new distinct and promising hybrids to our list. Now we offer another new one, the distinctness and value of which will be recognized after reading the following:

In 1893 we first offered to the public Livingston's Aristocrat, the best dwarf-growing tomato with red-colored fruit ever introduced, either before or since, and now have the pleasure of announcing the introduction of **LIVINGSTON'S NEW DWARF STONE TOMATO, with fruit double the size of either Aristocrat or the well known Dwarf Champion, and yet equally as early and vastly more productive on account of its size, and, therefore, much more profitable to grow, especially in open field culture, and for the same reason more desirable for growing under glass.**

We consider this one of our best introductions, and, in our judgment, based on extended experience, one that will meet with general favor; especially will this be true with the class of growers whose gardening is limited to a few acres and where economy in saving land must be taken into account. The strong, upright habit of growth of Livingston's New Dwarf Stone admits of very close planting, at least a half closer each way than the distance required for the ordinary vining varieties. In small gardens the plants may be set 18 x 24 inches apart each way and yet produce an abundant crop.

The shape of the fruit is very desirable and beautifully smooth, with a good skin, which is free from cracks about the stem end. It is very solid, ripens very evenly, and is of most excellent quality.

Our chief claim for the New Dwarf Stone is largely increased productiveness, on account of size, being almost the equal in that respect to our largest red variety—Livingston's Stone, famous everywhere as surpassing all reds in productiveness, solidity and large size.

The New DWARF STONE is sold this season in packets only. **PRICE, Single Packet, 20c.; 3 packets for 50c.; 8 packets for \$1.00.** All should try at least a packet, and growers for market will make no mistake by investing a dollar or more in the seed this year.

New for 1902. Livingston's Snowwhite.

**Beautifully
White.
Right Size,
Right Flavor.**

E. J. Hollister, says:

"In regard to sample of Celery I saw at your store, would say that it impressed me very much, and was the finest Celery of the white type that I ever saw. First, the peerly whiteness of the stalks, which denotes good constitution, together with the size, strength and number of the stalks. In all it was a picture perfect, and if it will not develop too many green heads every year like the White Prince, it will soon supersede that variety."

In October, 1897, we received the following letter from an Ohio gardener, who grows, with other vegetables, a few thousand celery each year for his local trade. October 18, 1897, he writes:

Gentlemen:—"I have a new Celery I would like to sell to some seed man. It is a great deal like White Plume, but I think better flavor, grows larger, a good keeper, and blanches much easier; no green stalks. Will try and explain how I got it. I had a row of Red Celery six years ago and in it found a plant spotted as a leopard; spots were red, white and yellow. I took it up and raised seed from it, expecting to get spotted Celery, but not so—no one stalk did I get like its parent. Some of it was Red Self-blanching, but not spotted, and a few stalks of it were white. It looked so fine I picked out the finest white stalks and raised seed, and that is what I have now. I have quit raising White Plume. The old White Plume has too many green stalks (plants, I mean) to bother with, but this is all white. I raised 5000 last year, 7000 this, and not one green or red plant in it. If you think you would like to buy a part of my stock for seed, come down and look for yourself. Please let me know by return mail."

We responded to the above in person. On arrival we found that what had been stated in the letter was correct, and a deal was closed at a good round price, and we were more than pleased to be the possessors with all rights of what purported to be the best foundation for a genuine good market Celery that had been offered in years. We have, as yet, no reason to regret our purchase, although we have been disappointed in the seed crop, year after year, never having secured sufficient to offer it in our Seed Annual, until the past season, which, however, will permit us to offer it now only in packets.

Jan. 28, 1898, he writes:—"I send you two stalks of the New White Celery. Please note how solid it is. It kept much better than Giant Pascal. I put in a stalk of the White here and there among the Pascal, and when I took it out the White was sound and the Pascal was pithy and some rotten."

If this variety continues to hold its own, as in the past 7 or 8 years, we bespeak for it a great future, and do not hesitate to advise a liberal trial. **PRICE—Single packet, 20c.; 3 packets, 50c.; 7 packets, \$1.00.**

Livingston's Large Bon-Ton Lettuce.

**Quick Grower.
Crisp and
Delicious.
Ornamental. ✱**

See Illustrations of the above on back Cover Page

**One Packet
each of above
for 40c.,
the two 20c.
packets for 35c.**

We have had this variety for upwards of ten years; and as we have never had a complaint, but always words of highest praise for it, we feel warranted in offering it to the public. It is of the Simpson type but unlike them, in that the Bon Ton comes absolutely true. We have seen a whole greenhouse full of it with not a single variation as to type. One greenhouse man says of it: "It is the most uniform in growth of any." It is a very quick grower. Mr. Henry Field, market gardener, writes us:—"I do not know of any lettuce that will make as large a head in so short time." It is deliciously sweet and tender, and remains so even when running to seed. Mr. A. Blanc, the veteran horticultural engraver of Philadelphia, writes:—"It is the finest lettuce that I have ever eaten, and others say so too." It has a beautiful light green outer head, changing to a rich cream shade at the heart. It is just enough wrinkled to make it beautiful, yet not enough so, as to render it difficult to prepare for the table. It is especially adapted to local markets and family gardens, but for shipping it is not so good on account of its exceeding crispness. Read what Mr. Wm. Brennecke, Long Island gardener for the New York market and winner of the American Gardening Prize Essay on Lettuce Forcing, has to say about it:—"I found that the Livingston's Bon Ton Lettuce grown from the package you sent me was the largest and most tender of any I have ever seen or handled. Unfortunately it was grown too close together in the greenhouse to make a fair comparison with the other varieties; however, of fifty plants set in the open ground the middle of April I had thirty which averaged sixteen inches in diameter, and two which were eighteen inches by the 10th of June. These two being retained, kept for two weeks in salable condition, and on being again measured, the 28th of June, when showing signs of going to seed, one was found to measure 20x21 inches in diameter. There is one fault, however, speaking from a shippers stand-point and that is its tenderness as some eastern markets demand, strange as it may seem, a tough, almost non-edible, solid, cabbage-head lettuce. As a variety for the home trade and private gardens, however, it should prove far excellence." The seed we offer was produced on our True Blue Seed Farm near this city last season, and the growing crop was along side a well traveled turnpike and was admired by all passers by for its attractive beauty and large size.

PRICE—Single Packet, 10c.; 3 pkts. for 25c.; 7 pkts. for 50c.; 15 for \$1.00.

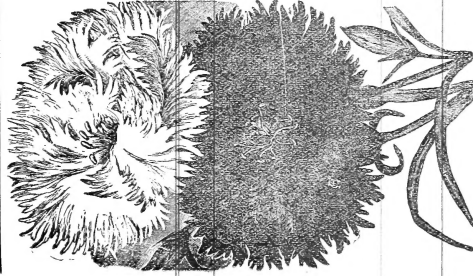
NAMES OF SEEDS, PLANTS, ETC., WANTED.

PRICE
Dollars Cents

Bushels
Quarts
Pints
Pounds
Ounces
Packets

The Space below is for Remarks about your Order. Any other Correspondence should be given on separate sheet of paper.

Kindly give, in space opposite, Names and Addresses of some of your acquaintances who use Vegetable or Flower Seeds.



ROYAL PINKS.

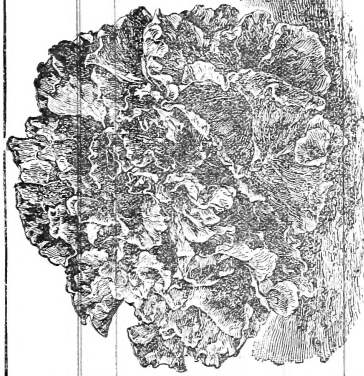
Of easiest culture, a grandly big and a decided improvement on the old-fashioned Indian Pink. The flowers are of immense size (3 to 4 inches in diameter), petals beautifully frilled and fringed, giving the flowers a very attractive appearance, the color being a deep pink, with a white center. The plants are vigorous growers and give a large quantity of first-class cut flowers, which have long stems, and keep a full week in water. Order early, as the more the plant is ordered, the more the price will advance. **Packet, 10c.; 3 packets for 25c.**

OUR NEW LETTUCE, LIVINGSTON'S BON-TON

It is a new variety of lettuce, and a packet, having produced heads double the size of the well-known large Hanson under the same treatment and during the same time, and has been marketed a week sooner than the well-known Improved Simpson much so that it is now in the market at a much lower price than the old variety. It is so quick growth, beautiful appearance, graceful and long-standing in the garden, and is so easy to grow, that it is well adapted for market as well as to the kitchen garden. A sly seedler, and we have not been able to produce sufficient seed to offer it otherwise than by packet. **Packet, 10c.; 3 packets for 25c.**

FREE

All persons whose orders amount to 50 cents have the privilege of ordering a packet of either the Lettuce or the Pinks, without cost. This is a special privilege, and each may be ordered **FREE FOR TRIAL**. Price of each is 10c. per packet, or 3 packets for 25c., but they may be had **Free** as stated.



Write Your Address Plainly and in Full in the blanks below, also keep your order separate from other matters you may wish to write about. This order is not valid unless accompanied by the enclosed Annual. See DIRECTIONS IN THE ANNUAL.

ORDER SHEET

LIVINGSTON'S & S.

TRUE
BLUE
SEEDSKNOWN AS THE BEST,
AND THE BEST KNOWN.

The Livingston Seed Co.

Formerly A. W. LIVINGSTON'S SONS.

COLUMBUS, OHIO, U. S. A.

Gentlemen:—In accordance with terms of your Annual for the present year, please forward to:

Name

Post-Office

County

State

P. O. Box

If you have Rural Free Mail Delivery state Number of your Route, etc.

Express Office Name

Name of Express Company

Railroad Name

Date of this Order

Extra Order Blanks and Return Envelopes sent on Application.

Do you Grow for Market or Home Use, or Both?

Bushels Quarts Pints Pounds Ounces Packets

NAMES OF SEEDS, PLANTS, ETC., WANTED.

PRICE
Dollars Cents

WE FILL IN THESE BLANKS.

No. _____

Rec'd _____

Filled _____

Shipped _____

THE AMOUNT YOU ENCLOSE.

Money Order, \$ _____

N. Y. Draft, _____

Stamps, _____

Cash, _____

All Orders FOR POTATOES, PLANTS and other PERISHABLE GOODS are Carefully Booked and FILLED IN ROTATION as soon as weather will permit. If shipped earlier they are at Buyer's Risk.

THE MONSTER NEW LEMON

American Wonder

(PONDEROSA)

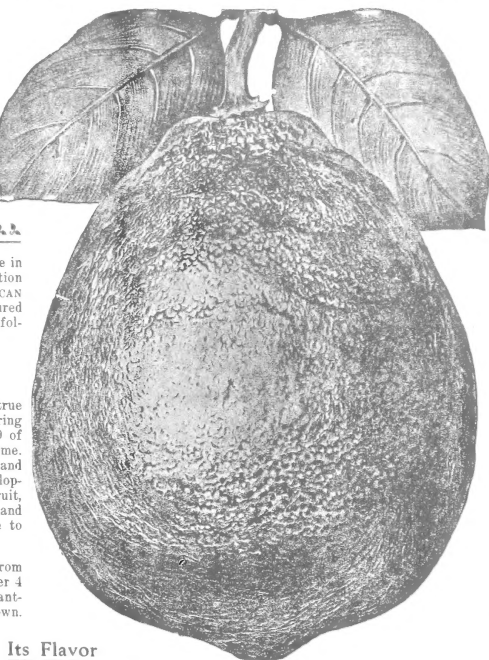
**It is the Finest and Largest
Edible Lemon in the World.**

NOTHING that has been brought to our notice in the plant line has caused greater commotion than this Lemon. Our stock of AMERICAN WONDER LEMON was grown by us from stock procured from the originator, and is therefore true. The following description was given us by him:

American Wonder

The Ever-Bearing Lemon. It is a true ever-bearing variety. On a tree six feet high no less than 89 of these ponderous Lemons were growing at one time. It was a beautiful sight. The tree was blooming and at the same time had fruit in all stages of development, from the size of a pea up to the ripe fruit, showing it to be a true ever-bearer. It blooms and bears fruit when quite small and you do not have to wait four or five years to get fruit.

Its Ponderous Size. Fruit has been taken from this tree weighing over 4 pounds. The lemons average 2 to 3 lbs., thus warranting the statement that it is the largest lemon known.



Its Flavor

Unsurpassed The lemons have very thin rind for such large fruit. The juiciest of all lemons, makes delicious lemonade, and for culinary purposes cannot be excelled. It is not uncommon to make 12 pies from one lemon. Everybody who has tasted this lemon unite in saying that for delicious flavor no other lemon surpasses it. It is not a Lime Fruit, and does not resemble a Lime in any particular.

As a House Plant. If it did not produce a single bloom or fruit it would eclipse many plants now used for decorative purposes. Is one of the most desirable of all house plants. Will stand all kinds of rough usage and neglect and still look well. The foliage is deliciously fragrant, large, thick, leathery, of deepest green. In size and fragrance its flowers excel the orange blossom, coming, as they do, in immense clusters of pure snow white, the center of each flower being filled with yellow stamens, remaining quite a while before falling. A plant in bloom will scent your house through and through with its delicious fragrance.

As a Fruit of Commerce. This Lemon will be introduced to commerce just as soon as the trees can be grown. For outdoor culture the South is particularly adapted to it. It is a much harder tree than the orange. American Wonder Lemon is sure to become popular when it is known.

On its Own Roots We have a large stock of this Lemon. No budding or grafting necessary. It is of very easy culture, flowering and fruiting in any ordinary soil. Everyone can grow their own lemons as it will fruit the second year.

Thrifty Young Plants, 15c. each.; 2 for 25c. Strong One Year Plants, 60c. each; 2 for \$1.00. By Express, Extra Strong Plants, about 2 feet high, \$1.50 each; 2 for \$2.50.

IN LARGER QUANTITIES, WRITE FOR SPECIAL PRICES.



LIVINGSTON'S

BON TON

LETTUCE

Unexcelled for Quality and Beauty

PKT. 10 cts.



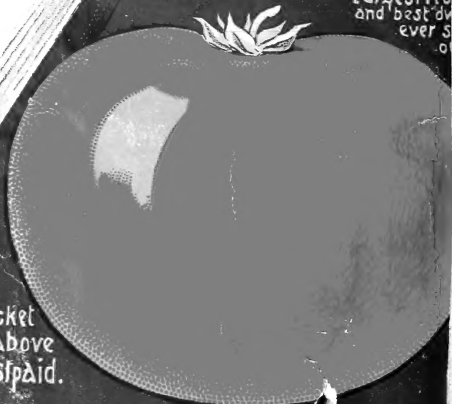
LIVINGSTON'S new CELERY
SNOWWHITE

By all odds
The Purest White.
PKT. 20 cts.



LIVINGSTON'S new TOMATO
DWARF STON

Largest fruit
and best of
ever s
o



One Packet
each of above
40¢ Postpaid.

THE **LIVINGSTON SEED CO.** COLUMBUS, OHIO.

For Descriptions

See above.
Excellent
growing crop
and large size.
15 for \$1.00.